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DESIGN SPECIFICATION  
INTEGRATED PROCUREMENT MANAGEMENT SYSTEM - VERSION II  
(IPMS-II)  
ONLINE SUBSYSTEM  
VOLUME I

Job Order 84-537

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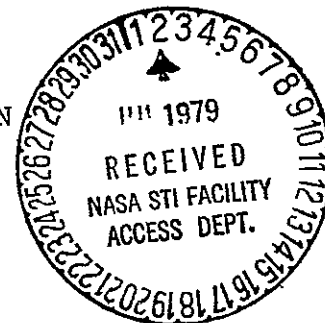
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For

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INTEGRATED PROCUREMENT MANAGEMENT SYSTEM - VERSION II  
(IPMS-II)

ONLINE SUBSYSTEM

VOLUME I

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April, 1979

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## ABBREVIATIONS AND ACRONYMS

ASCII	American National Standard Cobol X3.23-1974
BAS	Basic Accounting System
CCA	Contract Change Authority
I/O	input/output
IDSD	Institutional Data Systems Division
IPMS	Integrated Procurement Management System
IPMS-II	Integrated Procurement Management System Version II
MSAM	Multi-indexed Sequential Access Method

## 1.0 PURPOSE AND SCOPE

This document contains the detailed design specifications for the online subsystem of the Integrated Procurement Management System Version II (IPMS-II). It provides the reader with a comprehensive understanding of the design of the IPMS-II to the unit level.

## 2.0 SYSTEM OVERVIEW

The IPMS-II is an ASCII COBOL System using the Multi-Indexed Sequential Access Method (MSAM) for storage and retrieval of information from mass-storage files. The IPMS-II uses a terminal handler routine, written and maintained by the Institutional Data Systems Division (IDSD) for all terminal interface.

The IPMS-II consists of two major subsystems: online and batch. The online subsystem consists of three major functions: pre-processing, template processing, and recovery. The preprocessing function is to ensure that the data base is ready for use by the online user.

Template processing control is exercised by an Executive program which initiates processing based upon directives contained in the user input from the terminals. For all data identified as update transactions, extensive edits are performed to ensure the validity of the information maintained in the files. Invalid data will be rejected and the error conditions sent to the user terminal. The template processing function is also used to display the file contents on the user terminal. The recovery function is used to restore the database files when they become unusable.

The batch subsystem will be described in Volume II of the Design Specification.

### 3.0 SYSTEM ENVIRONMENT

#### 3.1 HARDWARE

The IPMS-II is designed to operate on a UNIVAC 1108 or 1110 computer. At any given time, core storage does not exceed 40,000 words. Approximately 30 positions (20,643,840 characters) of mass-storage are required for the data files.

#### 3.2 SYSTEM SOFTWARE

The IPMS-II operates under the standard EXEC VIII operating system currently available on the JSC UNIVAC 1108 or 1110 computers.

#### 3.3 GENERAL PURPOSE SOFTWARE

The IPMS-II uses the terminal handler written and maintained by IDSD for all the communication with the user terminals.

## 4.0 SYSTEM DESIGN

The online subsystem flow is illustrated in figure 4-1.

### 4.1 PREPROCESSOR PROGRAM

The preprocessor program is a separate program executed prior to the online function to ensure the database is ready for use by the online user. The preprocessor program is shown in figure 4-2.

### 4.2 TEMPLATE PROCESSING

Template processing (IPMS-II overlay structure) is depicted in figure 4-3.

#### 4.2.1 Top Level Programs

These programs are always in core during execution. The linkage section is used to pass data to and from the terminal throughout the overlay structure. The common storage section is used to pass file data to and from the input/output (I/O) module from the calling program.

##### 4.2.1.1 Executive Module

This program is the executive module which interrogates the input from the terminal and initiate subsystem processing (fig. 4-4).

##### 4.2.1.2 Terminal Handler

This routine is supplied and maintained by IDSD. It provides a full screen template type interface to the megadata terminal. The routine consists of a set of subroutines to provide terminal input/output capability as well as some utility functions. A Template Definition program is also provided to allow the creation of input template.

##### 4.2.1.3 Input/output

This routines does all of the I/O for all of the database files. Each file has its own set of entry points for opening, closing, reading, writing.

<u>File Name</u>	<u>Prime Key</u>	<u>Alternate Key</u>	<u>Table</u>
PR	PR-NO	DR-NO	4-I
CONTR	CONTR-NO	---	4-II
PR/CONTR XREF	PR-NO	CONTR-NO	4-III
CCA	CONTR-NO/CCA-NO	---	4-IV
MOD/T-ORDER	CONTR-NO	---	4-V
TABLES	TAB-NO/TAB-KEY	---	4-VI

#### 4.2.1.4 Utility

The utility module consists of several assembly language routines to perform miscellaneous functions necessary for the operation of the system. Each function has a unique entry point. These entry points are listed below. Record formats are illustrated in Table 4-VII.

- a. LOGRD - This entry point is used to do random reads from the log file. Example: ENTER FORTRAN 'LOGRD' using sector address, buffer address, number of words.
  - (1) Sector address - binary number of beginning sector.
  - (2) Buffer address - data name where data is to be stored.
  - (3) Number of words - binary number of the number of words to be read.
- b. LOGWRT - This entry point is used to do random writes to the log file. Linkage is same as LOGRD.
- c. LOGUPD - This entry point is used to update the log file with valid transactions. The linkage is the same as above except only two parameters are used, the buffer address parameter and a status word.
- d. LOCKIT - This entry point is used to lock the log file for updates. RDL\$ is done to sector 3 of the log file.
- e. UNLOCK - This entry point is used to unlock the log file. UNL\$ to sector 3.

#### 4.2.2 Intermediate Level Modules

With the exception of the security/batch setup module, all of these modules perform two functions. The first function calls the appropriate detail level module for template processing. The second function builds the message table of error or updates messages to be used by the executive module.

##### 4.2.2.1 Purchase Request

This module calls the appropriate detail module for template processing (fig. 4-5).

##### 4.2.2.2 Contracts

This module calls the appropriate detail module for template processing (fig. 4-6).

##### 4.2.2.3 CCA

This module calls the appropriate detail module for template processing (fig. 4-7).

##### 4.2.2.4 Tables

This module calls the appropriate detail module for template processing (fig. 4-8).

##### 4.2.2.5 Inquiry

This module calls the appropriate detail module for template processing (fig. 4-9).

##### 4.2.2.6 Security/Batch Setup

The user and batch templates updates the log file through calls to the utility function (figs. 4-10 through 4-12).



#### 4.2.3 Detail Level Modules

These modules are called by their parent module and overlay each other.

##### 4.2.3.1 Purchase Request

The processing for each purchase request input is detailed in figures 4-13 through 4-21.

##### 4.2.3.2 Contracts

The processing for each contract input is detailed in figures 4-22 through 4-39.

##### 4.2.3.3 CCA

The processing for each Contract Change Authority (CCA) input is detailed in figures 4-40 through 4-46.

##### 4.2.3.4 Tables

The processing for each Tables input is detailed in figures 4-47 through 4-60.

##### 4.2.3.5 Inquiry

The processing for each inquiry input is detailed in figures 4-61 through 4-64.

#### 4.3 RECOVERY FUNCTION

The recovery function will use the same modules of the template processing, except the executive module (fig. 4-65). The recovery executive module will read the log file for input instead of the terminal handler.

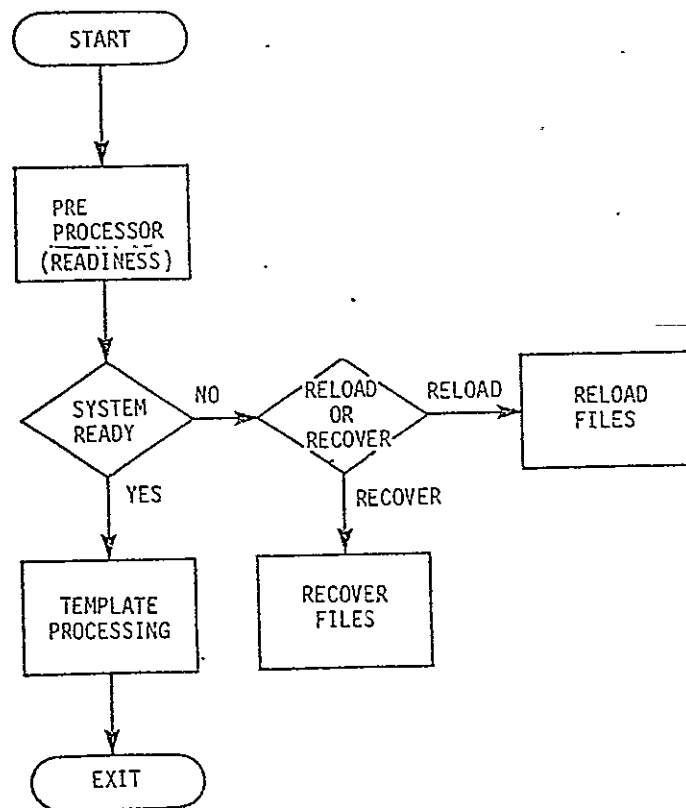


Figure 4-1.- Online subsystem  
flow chart.

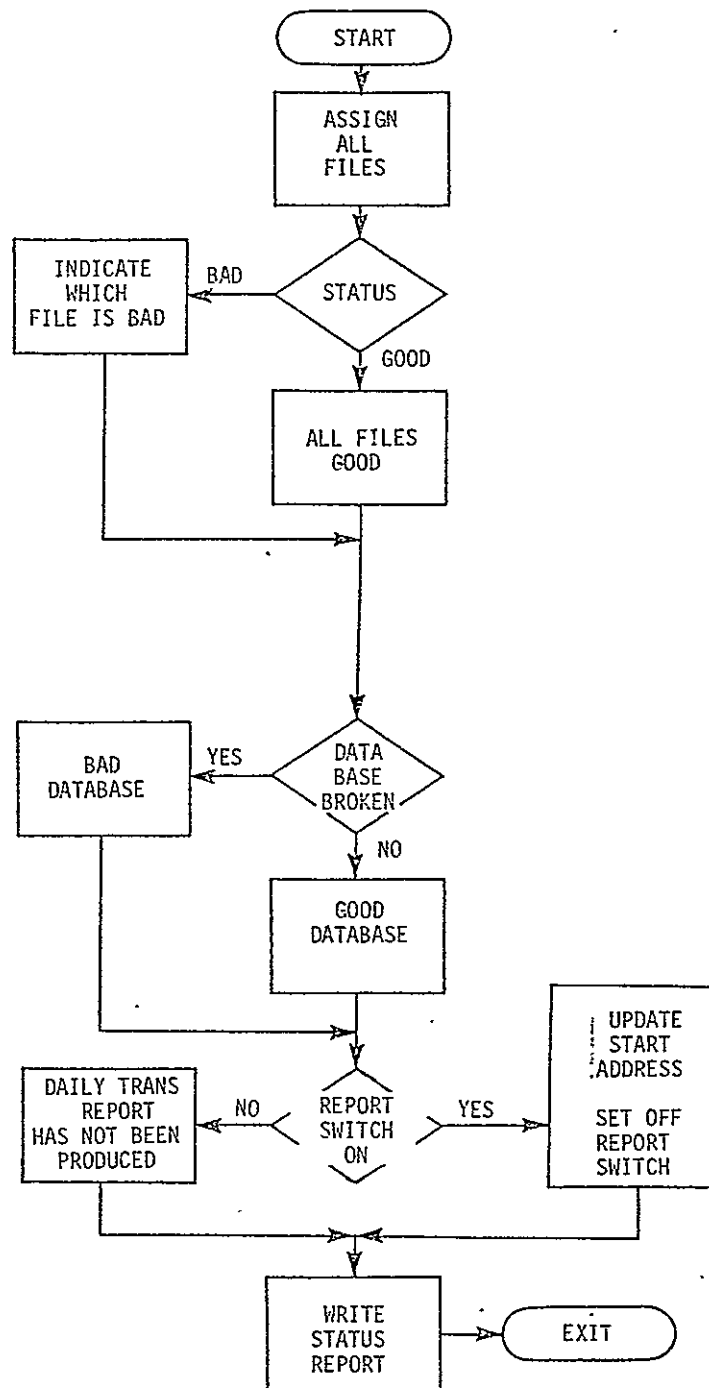


Figure 4-2.- Preprocessor program.

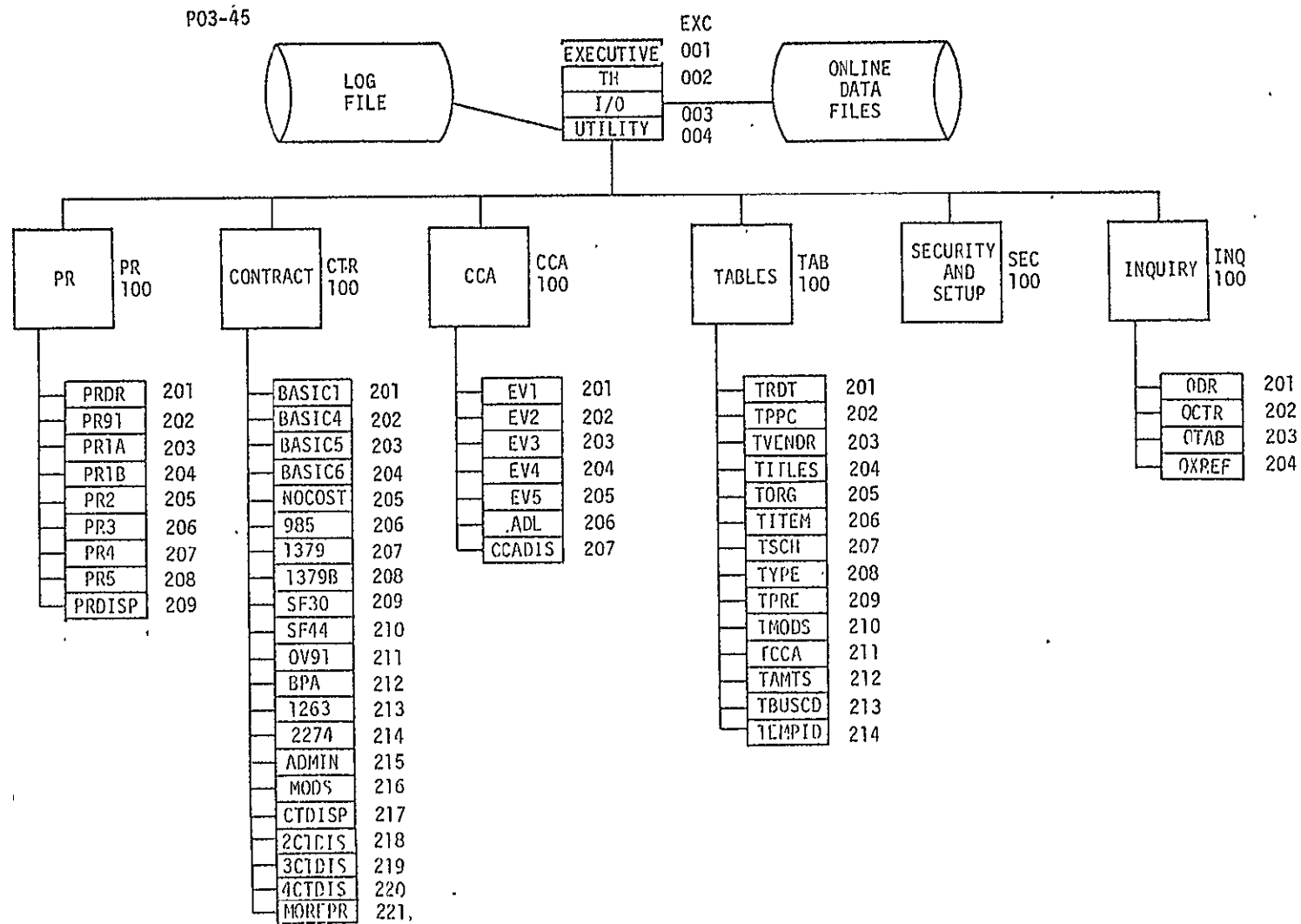


Figure 4-3.- Online subsystem (IMPS overlay structure).

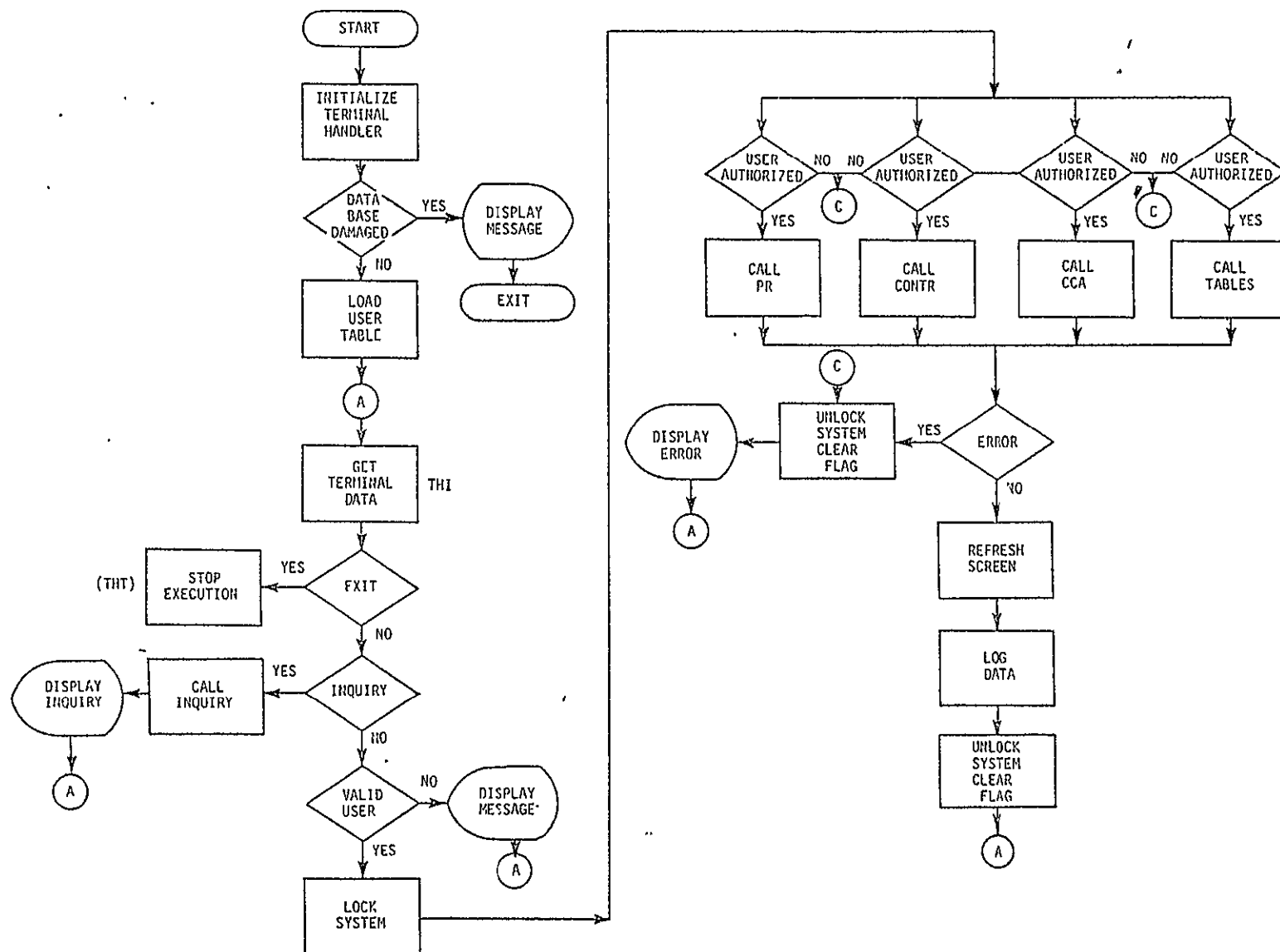


Figure 4-4.- Executive program logic chart.

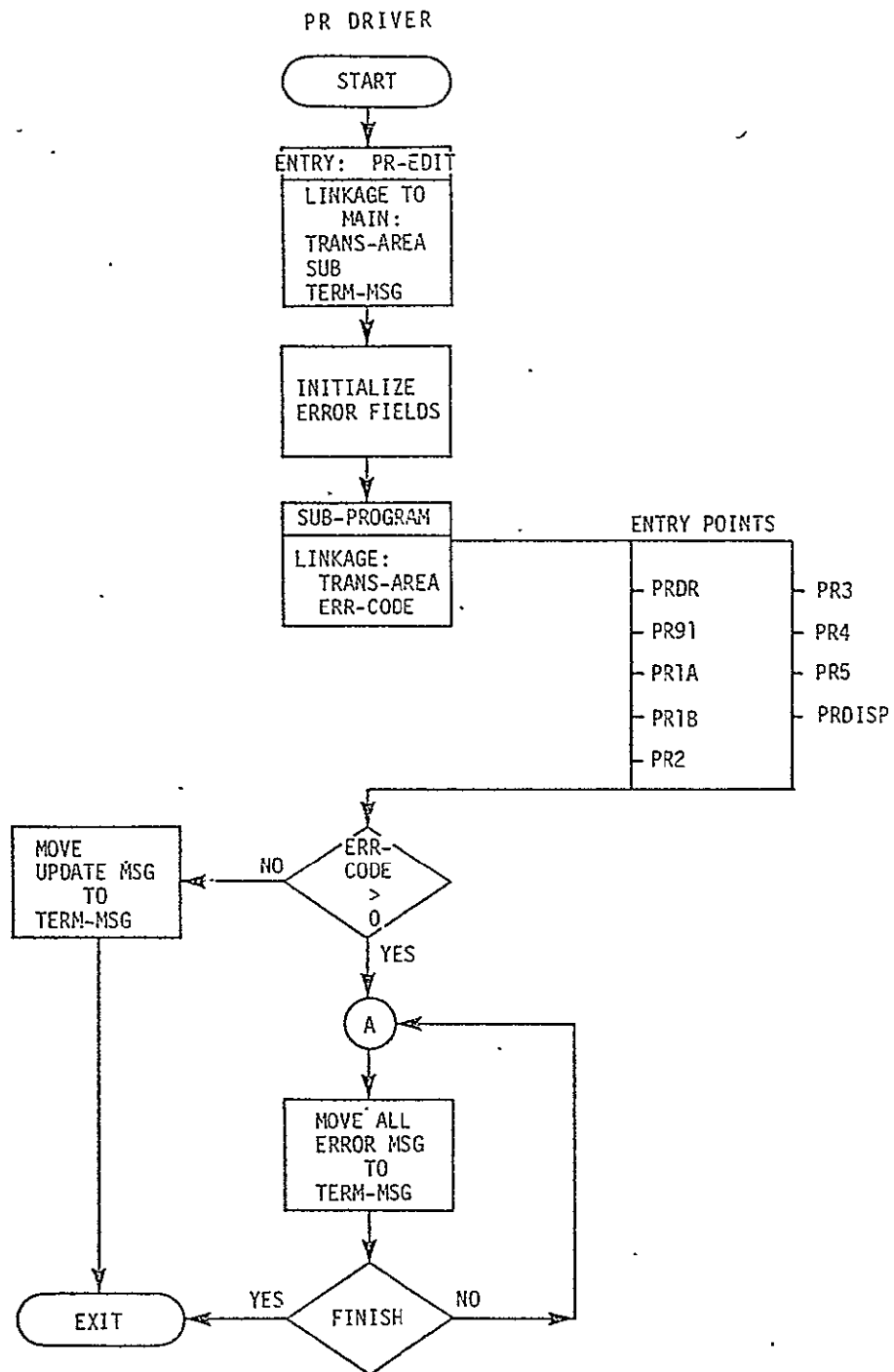


Figure 4-5.- Purchase request logic flow.

# CONTRACT DRIVER

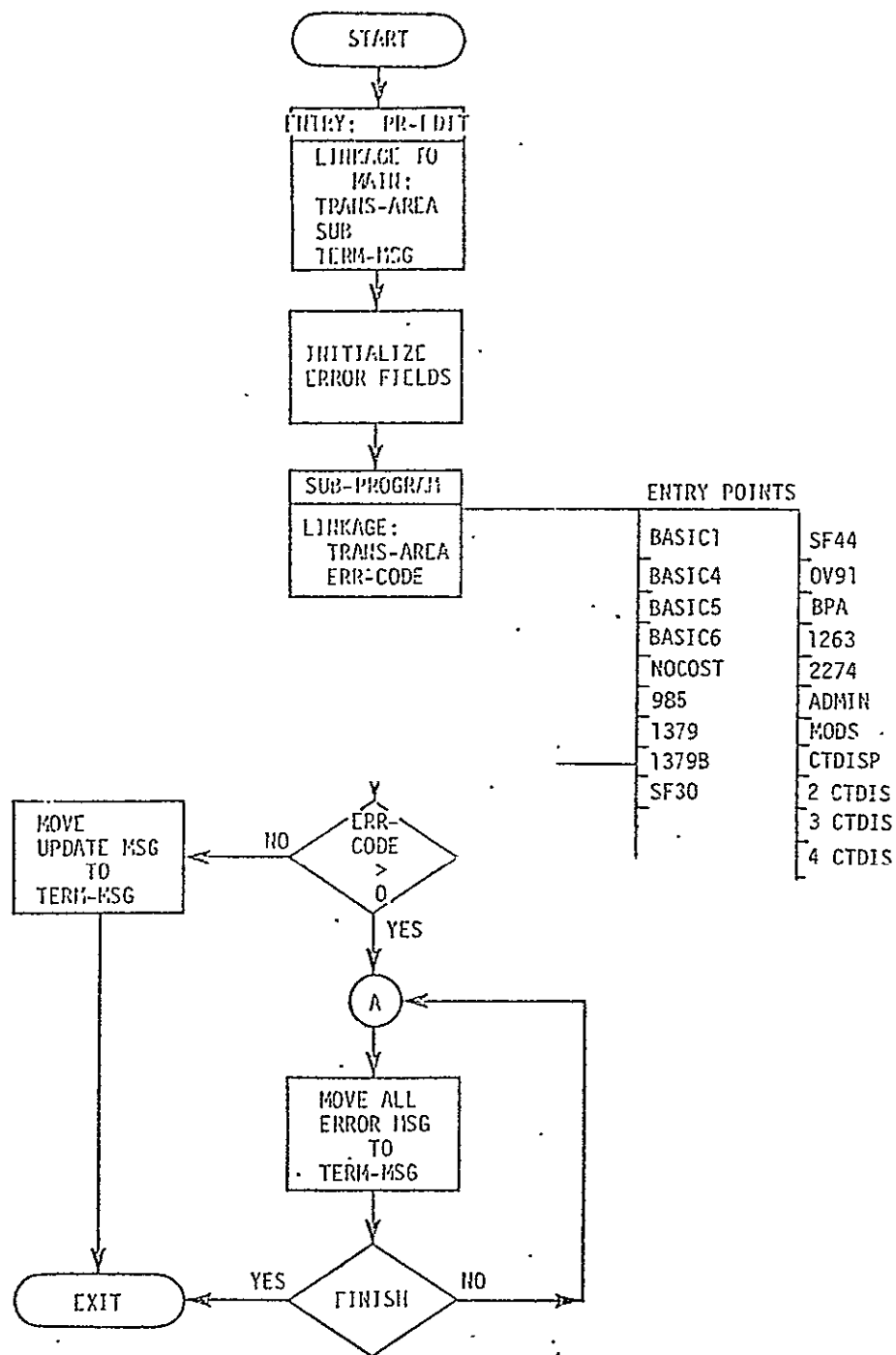


Figure 4-6.- Contracts logic flow.

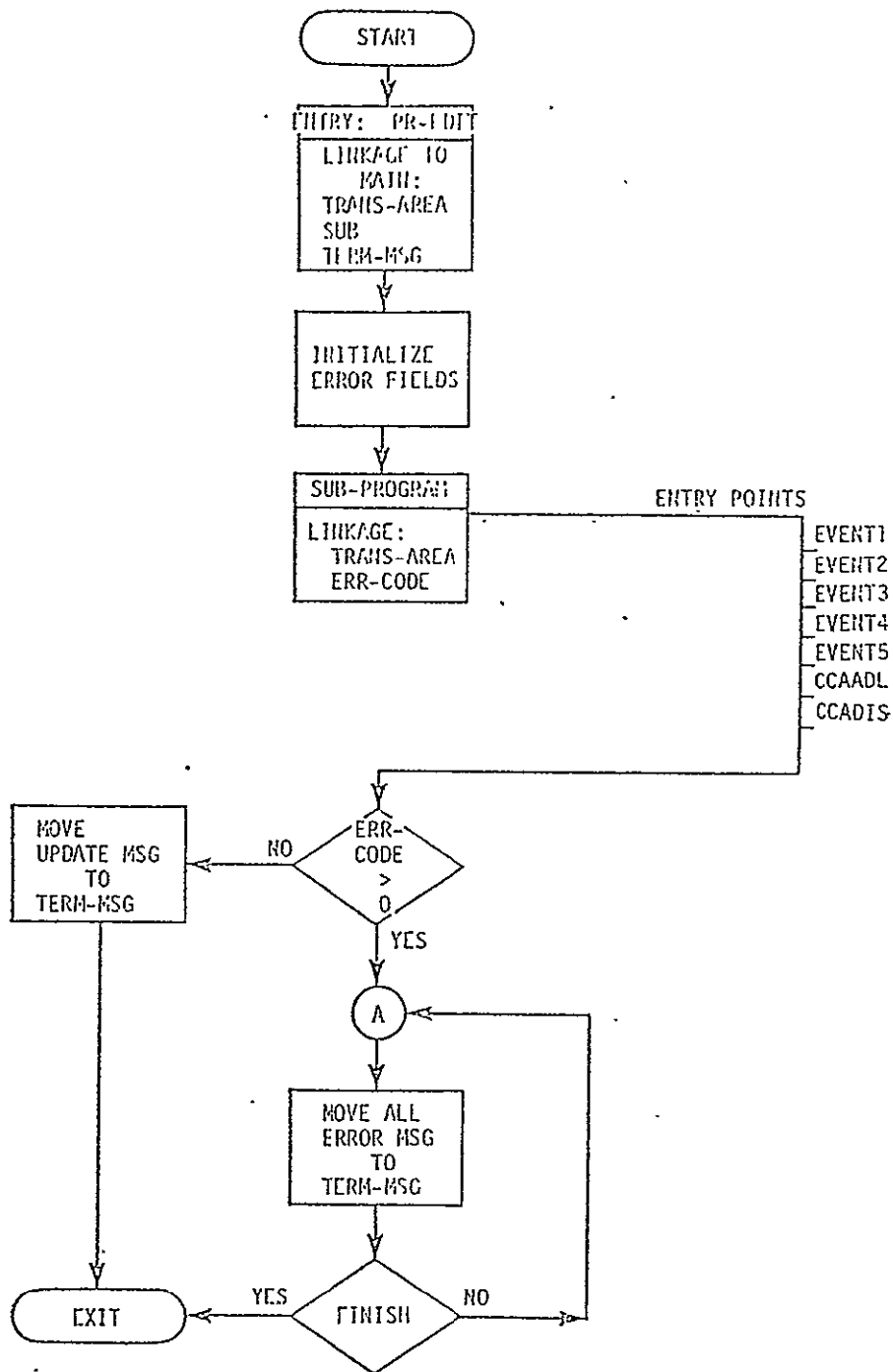


Figure 4-7.-- CCA logic flow.



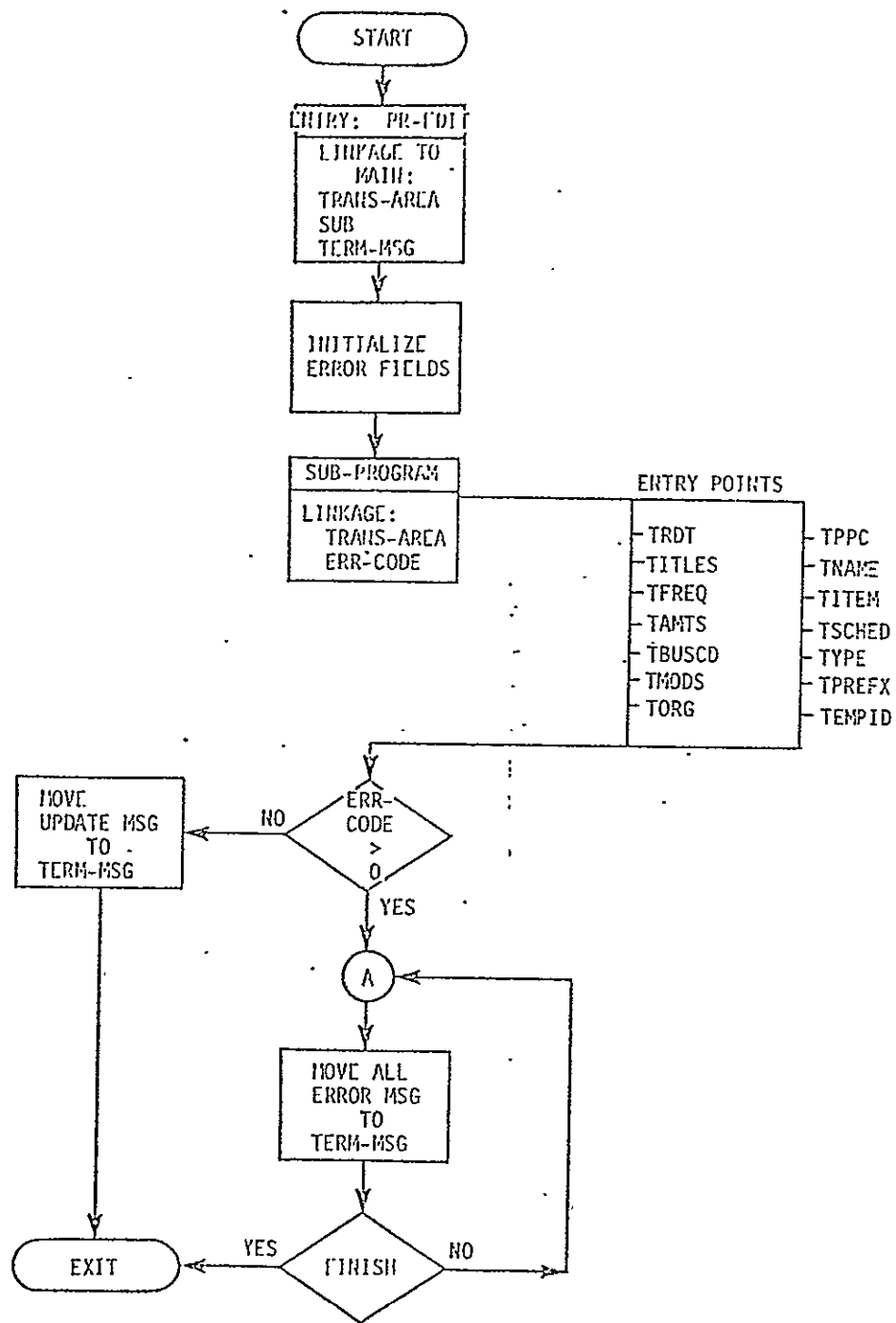


Figure 4-8.- Tables logic flow.

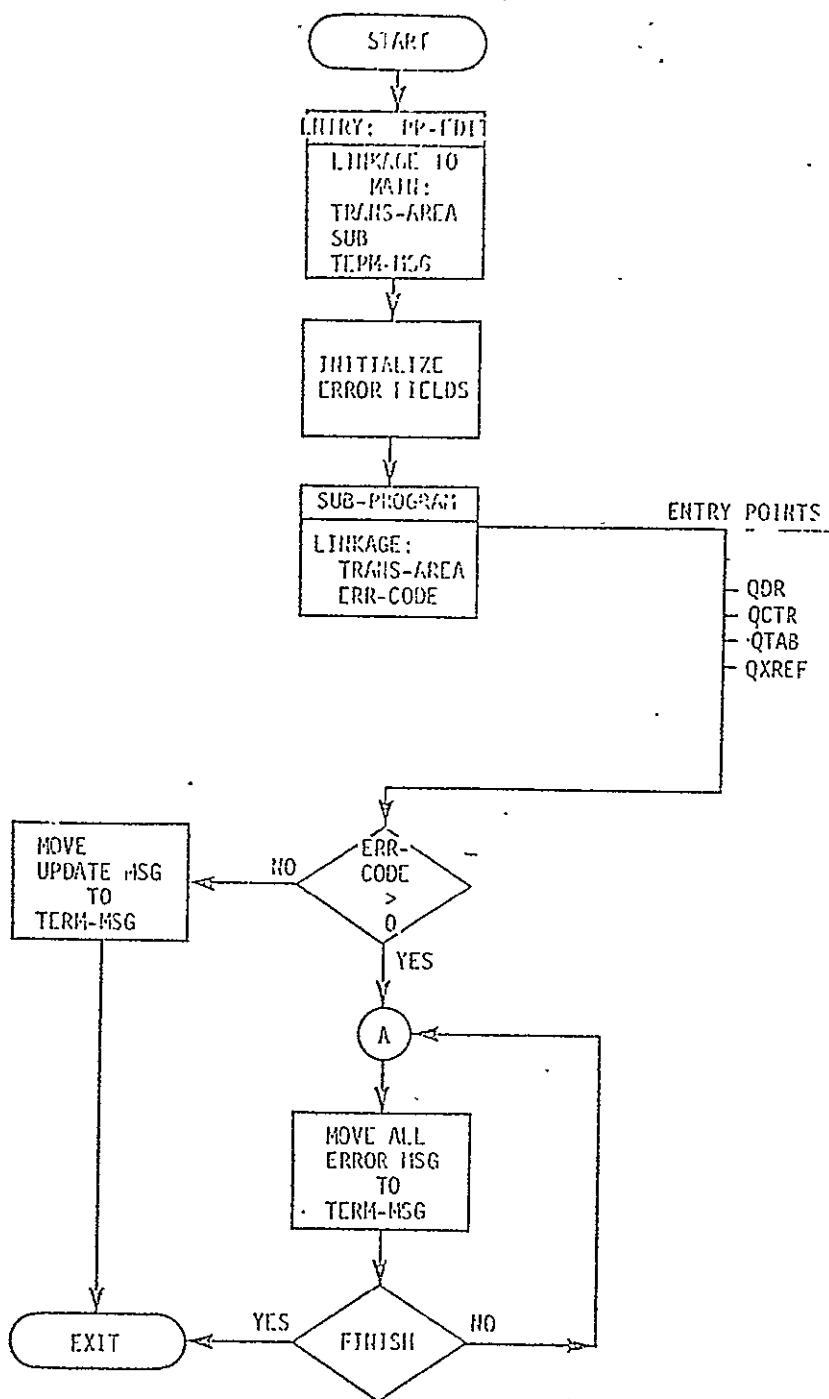


Figure 4-9.- Inquiry logic flow.

System Date Template

Purpose: To allow input of the as-of-processing date.

TEMPLATE ID (ASDATE)

PROGRAM ID (EXC001)

-----

DATE TEMPLATE .

AS OF PROCESSING DATE -- -- --

ELEMENT

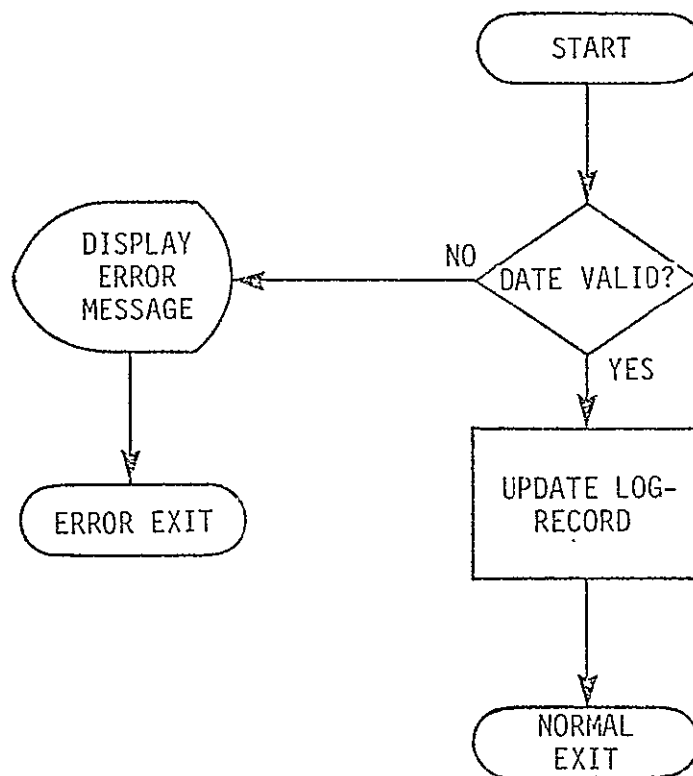
EDIT .

Date

Valid date

Figure 4-10.- System Date template.

## ASDATE



(a) ASDATE Logic flow.  
Figure 4-10.- Concluded.

### System Security Template

Purpose: To allow additions or changes to the System Security table. The table is used to limit entry into the data files and to limit update to authorized sections of the system.

TEMPLATE ID (USER)	PROGRAM ID (SEC100)
SYSTEM SECURITY TEMPLATE	USER
USER NUMBER ----	
AUTHORIZED TO UPDATE PR -	AUTHORIZED TO UPDATE CONTRACT -
AUTHORIZED TO UPDATE CCR -	AUTHORIZED TO UPDATE TABLES -
AUTHORIZED TO UPDATE USER -	.

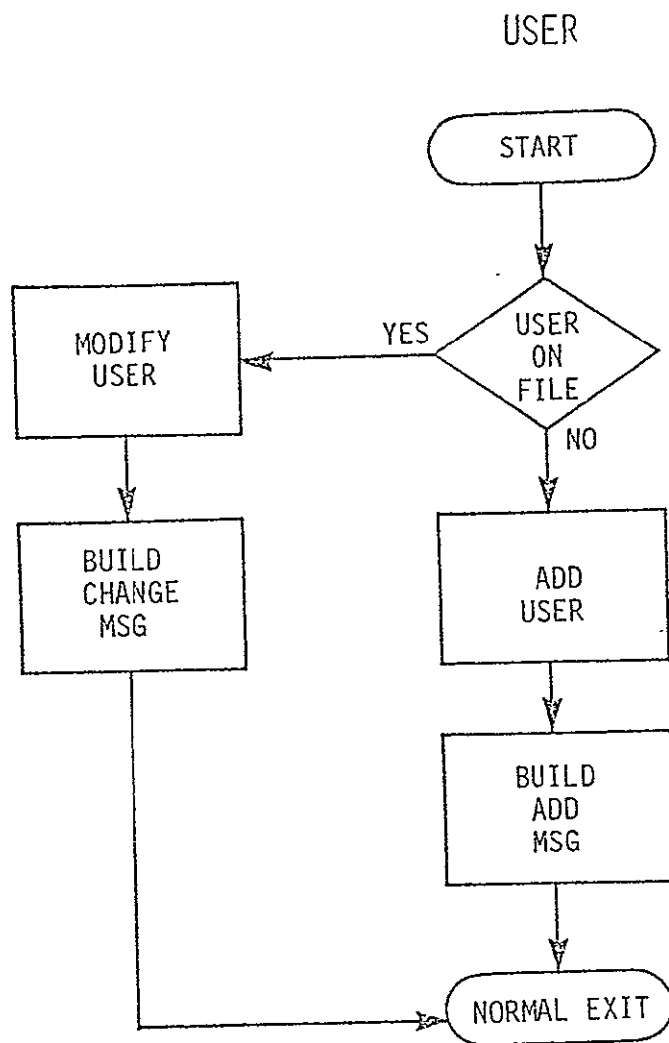
### ELEMENT

User Number

### EDITS

Non blank  
No edits for other elements

Figure 4-11.- System Security template.



(a) USER logic flow.  
Figure 4-11.- Concluded.

Batch Run Setup, Page 1

Purpose: To allow user to enter the control information needed to run the batch system.

TEMPLATE ID (BATCH)

PROGRAM (SEC100)

BATCH RUN SETUP

BATCH

REPORT SYSTEM

	MM DD YY	FREQ		MM DD YY	FREQ
PR REPORTS	-- -- --	-	CONTRACT JSC	-- -- --	-
CCA REPORTS	-- -- --	-	CONTRACT NUN JSC	-- -- --	-
U.C. +G REPORTS	-- -- --	-	ANNUAL CONTRACT	-- -- --	-

FACS INTERFACE TAPE (ENTER X IF REQUESTED) -

ELEMENT

EDIT

Reports    dates  
            frequency

Valid date in format MMDDYY  
Must be non-blank if date is present

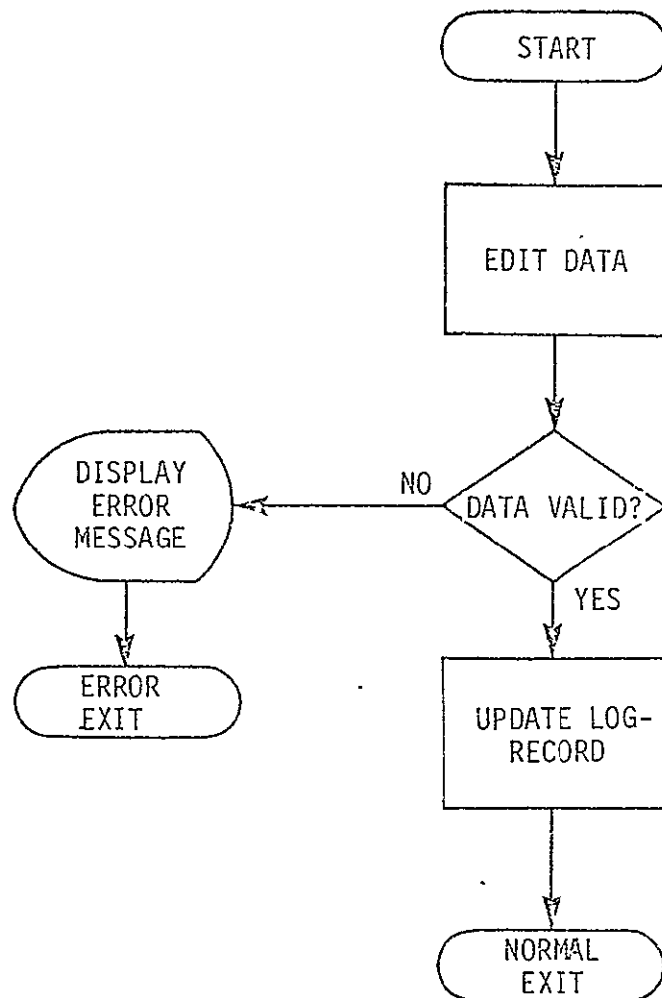
Interface

FACS-Master-Tape

No edit

Figure 4-12.- Batch Run Setup template.

## BATCH RUN SETUP



(a) BATCH logic flow.  
Figure 4-12.- Concluded.



DIVISION REQUEST

PURPOSE: To establish a potential requirement for items or services.

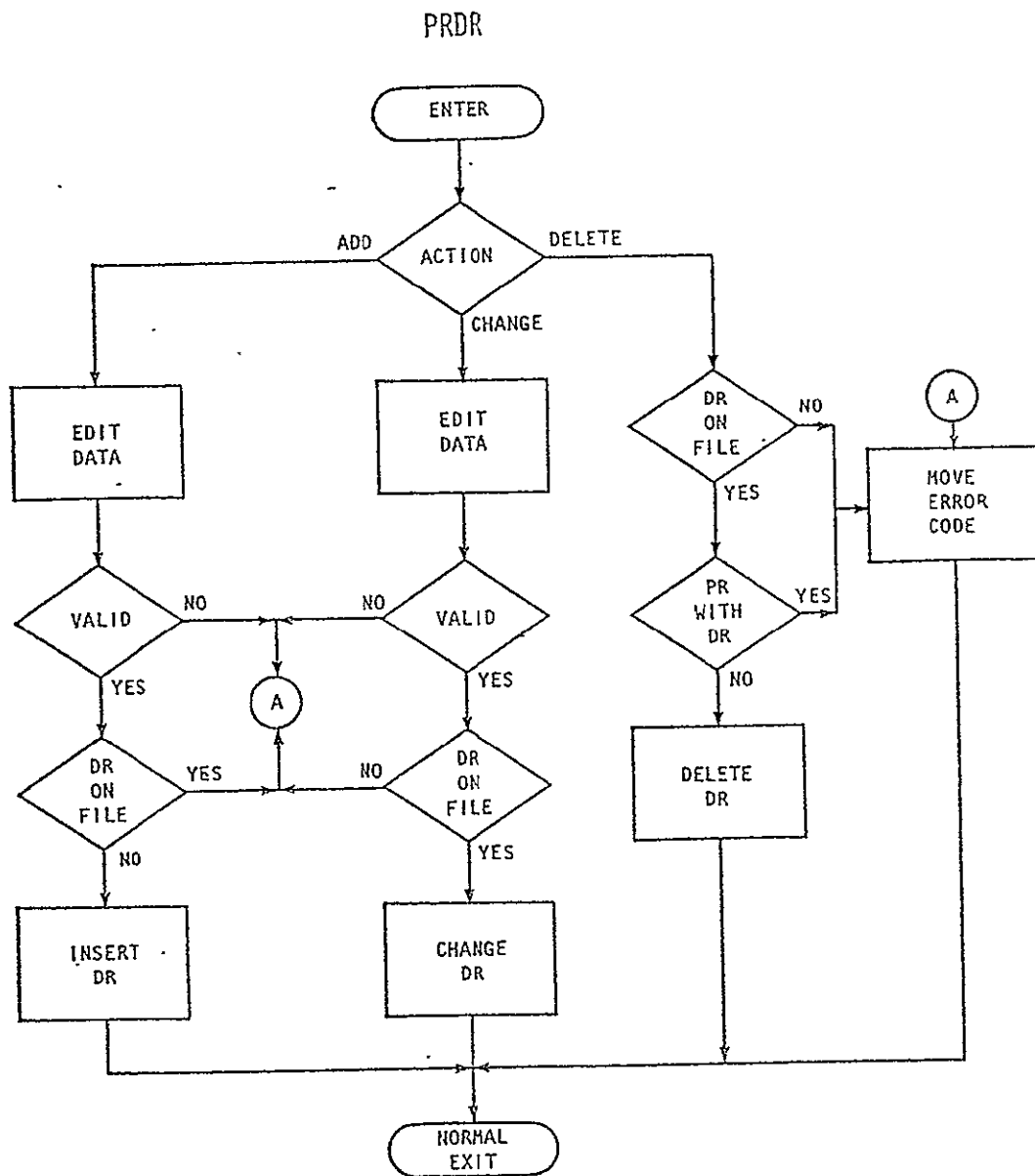
Template ID (PRDR)

Program ID (PR201)

----- DIVISION REQUEST FOR PROCUREMENT ACTION PRDR  
DR NO. ----- SERVICES REQUIRED ----- FUNCTION -----  
ESTIMATED AMOUNT -----+ DATE ----- DATE REQUIRED -----  
PWC ----- RO ----- OC ----- PO ----- INITIATOR -----

<u>ELEMENT</u>	<u>EDIT</u>
DR NO.	- Not space and first two alphabetic
SERVICE	- Not space
EST. AMT.	- Numeric > zero
DATE	- Valid date
FUNCTION	- Space, ADD, CHG, DELETE
INITIATOR	- Not space

Figure 4-13.- Division Request template.



(a) PRDR logic flow.  
Figure 4-13.- Concluded.

# PURCHASE REQUEST

PURPOSE: To establish a PR in the database. Milestone 2 through 6 dates are scheduled in accordance with PR classification code and dollar value.

Template ID (PR91)

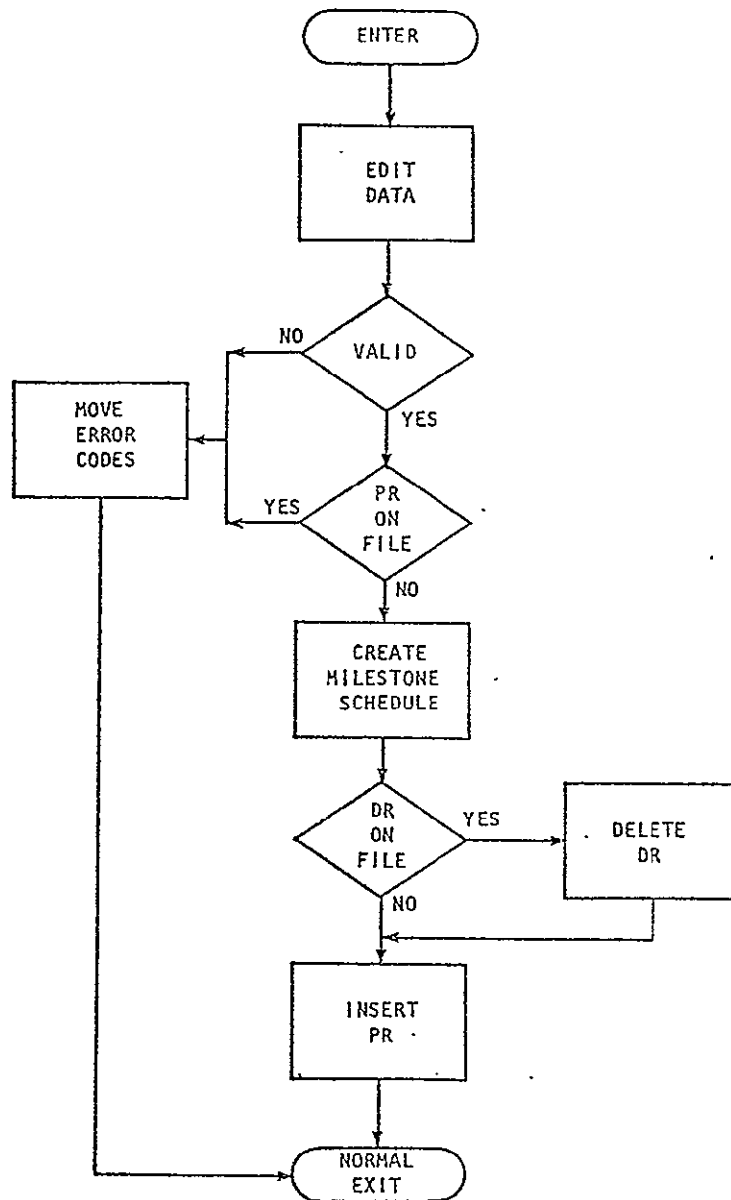
Program ID (PR202)

----- PURCHASE REQUEST PR91  
PR DATE \_\_\_\_ PWC \_\_\_\_\_ RO \_\_ OC \_\_\_\_ PO \_\_\_\_ PY \_\_ FS \_  
DR NO \_\_\_\_ PR NO \_\_\_\_\_ LINE CNT \_\_ DESCRIPTION \_\_\_\_\_  
COM AMT \_\_\_\_, \_\_\_\_, \_\_\_\_ + TOTAL VALUE \_\_\_\_, \_\_\_\_, \_\_\_\_ + DELIVERY DATE \_\_\_\_  
INITIATOR \_\_\_\_\_ PROC ORG \_\_\_\_ PLAN PR \_ PR CLASS \_\_ RECEIVED DATE \_\_\_\_

<u>ELEMENT</u>	<u>EDIT</u>
PR DATE	- Valid date
PWC	- Nonblank
DIV REQ NO	- First two alphabetic
PR NO	- First 8 numeric
LINE CNT	- Numeric
DESC	- Not blank
COM AMT	- Numeric > zero
TOTAL VALUE	- Blank or numeric
INITIATOR	- Not blank
DELIVERY DATE	- Valid date or blank
PROC ORG	- Organization table
PLAN PR	- Blank or P
PR CLASS	- Schedule table
RECEIVED DATE	- Valid date

Figure 4-14.- Purchase Request template.

PR 91



(a) PR 91 logic flow.  
Figure 4-14.- Concluded.

PR MILESTONE 1A

PURPOSE: To assign a buyer for a PR. The buyer may reschedule milestone 2 through 6. It may also be used to transfer responsibility for a PR from one buyer to another.

Template ID (PR1A)

Program ID (PR203)

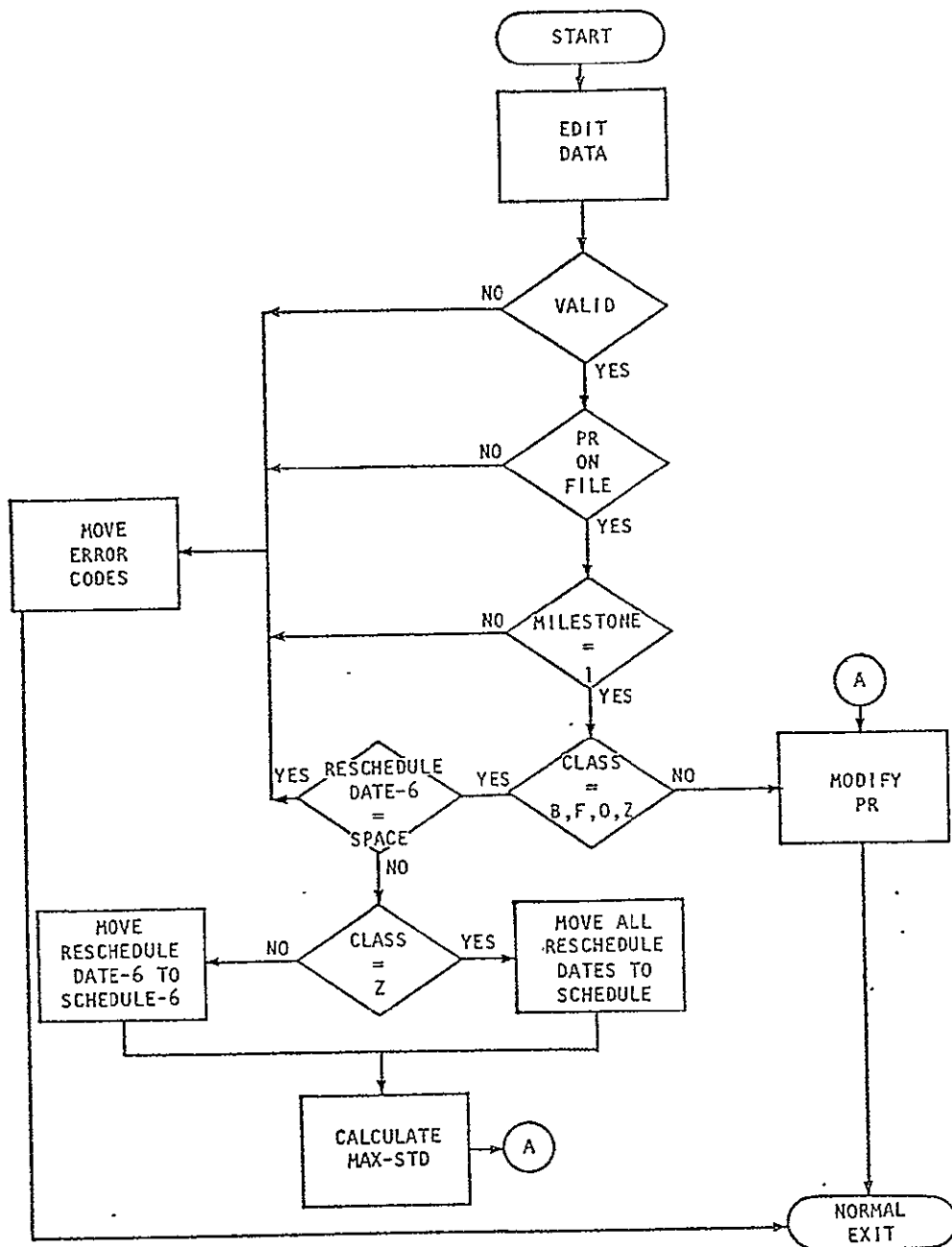
----- PR MILESTONE 1A . PR1A  
ASSIGNMENT OF BUYER  
PR NO ----- MILESTONE DATE -- -- -- ORG/BUYER -----  
RESCHEDULE DATES  
R2 -- -- -- R3 -- -- -- R4 -- -- -- R5 -- -- -- R6 -- -- --

ELEMENT      EDIT

PR NO      - Not space  
DATE      - Valid date  
ORG/BUYER - Organization table  
R2-R6      - Blank or valid date

Figure 4-15.- PR Milestone 1A template.

1A



(a) 1A logic flow.  
Figure 4-15.- Concluded.

PR MILESTONE 1B

PURPOSE: To record appropriate pricing actions, dates, and remarks.

Template ID (PR1B)

Program ID (PR204)

PR MILESTONE 1B

PR1B

PR PRICING

PR NO \_\_\_\_\_

PRICING REQUEST DATE \_\_\_\_ PRICING RECEIVED DATE \_\_\_\_

PRICING COMMENTS \_

ELEMENT    EDIT

PR NO    - Not space

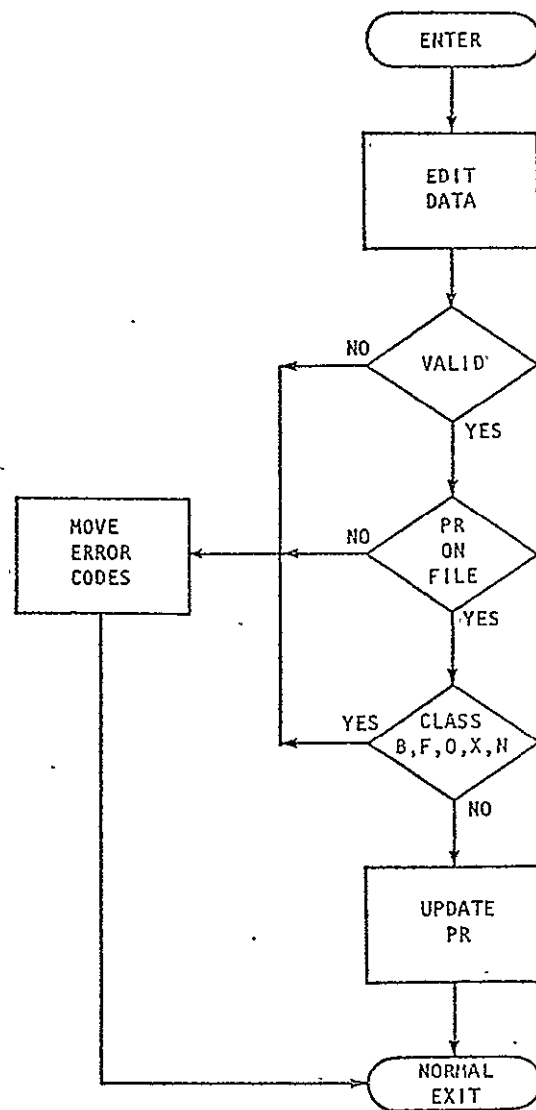
REQUEST - Valid Date or blank

RECEIVED - Valid Date or blank

COMMENTS - No edit

Figure 4-16.- PR Milestone 1B template.

PR 1B



(a) PR 1B logic flow  
Figure 4-16.- Concluded.



PR MILESTONE 2

PURPOSE: To record that the buyer has issued the solicitation for procurement.  
The buyer may reschedule milestone 3 through 6.

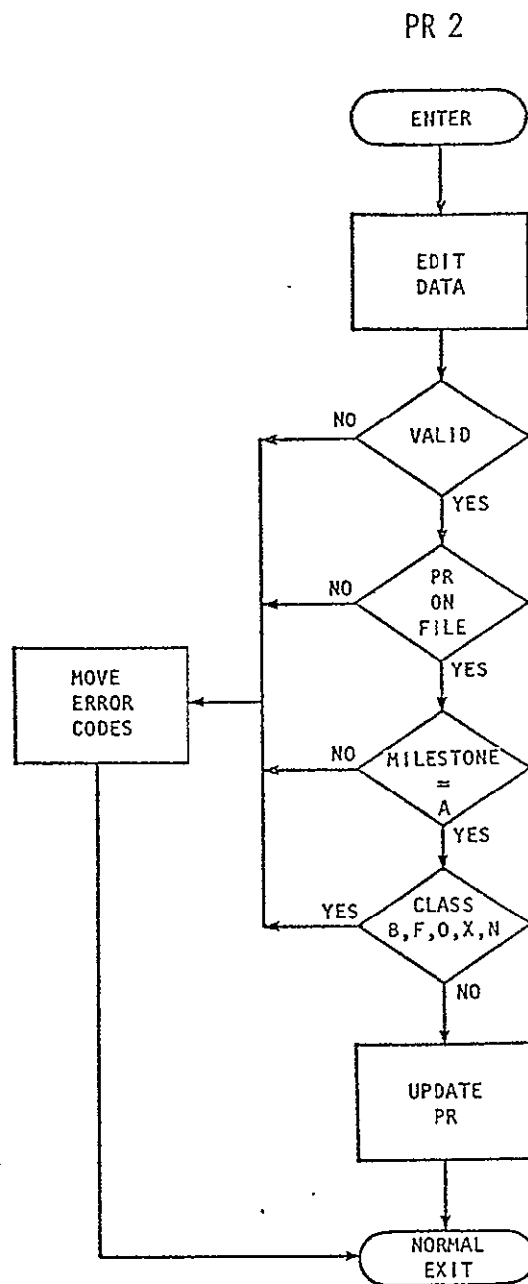
Template ID (PR2)

Program ID (PR205)

----- PR MILESTONE 2 PR2  
SOLICITATION ISSUED  
PR NO ----- DATE ----- SOLICITATION/UNSOLICITED NO -----  
RESCHEDULE DATES  
R3 -----R4 ----- R5 ----- R6 -----

<u>ELEMENT</u>	<u>EDIT</u>
PR NO	- Not space -
DATE	- Blank, valid date
SOLICITATION/UNSOLICITED NO	- No edit
R3-R6	- Blank or valid date

Figure 4-17.- PR Milestone 2 template.



(a) PR 2 logic flow.  
Figure 4-17.- Concluded.

PR MILESTONE 3

PURPOSE: To record that the buyer has received a response from vendors and is ready to begin evaluation of responses. The buyer may reschedule milestone 4 through 6.

Template ID (PR3)	Program ID (PR206)
-----	PR MILESTONE 3 PR3
	RESPONSE RECEIVED
PR NO ----- DATE -- -- --	
	RESCHEDULE DATES
R4 ----- R5 ----- R6 -----	

ELEMENT   EDIT

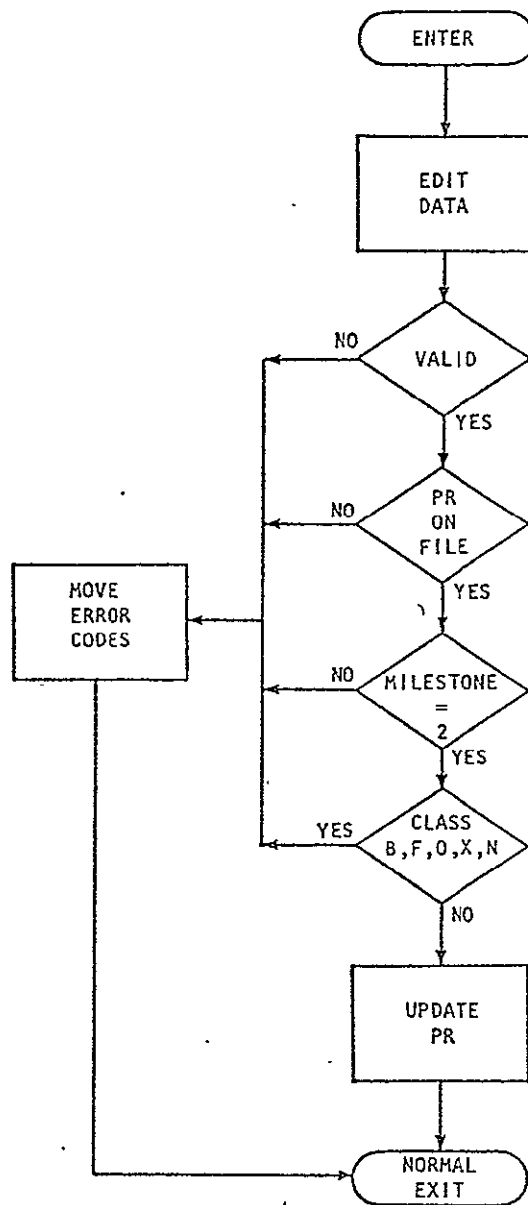
PR NO   - Not space

DATE   - Valid date

R4-R6   - Blank or valid date

Figure 4-18.- PR Milestone 3 template.

# PR 3



(a) PR 3 logic flow.  
Figure 4-18.- Concluded.

PR MILESTONE 4

PURPOSE: To record that all technical evaluations requested by the buyer have been received. The buyer may reschedule milestone 5 and 6.

Template ID (PR4)

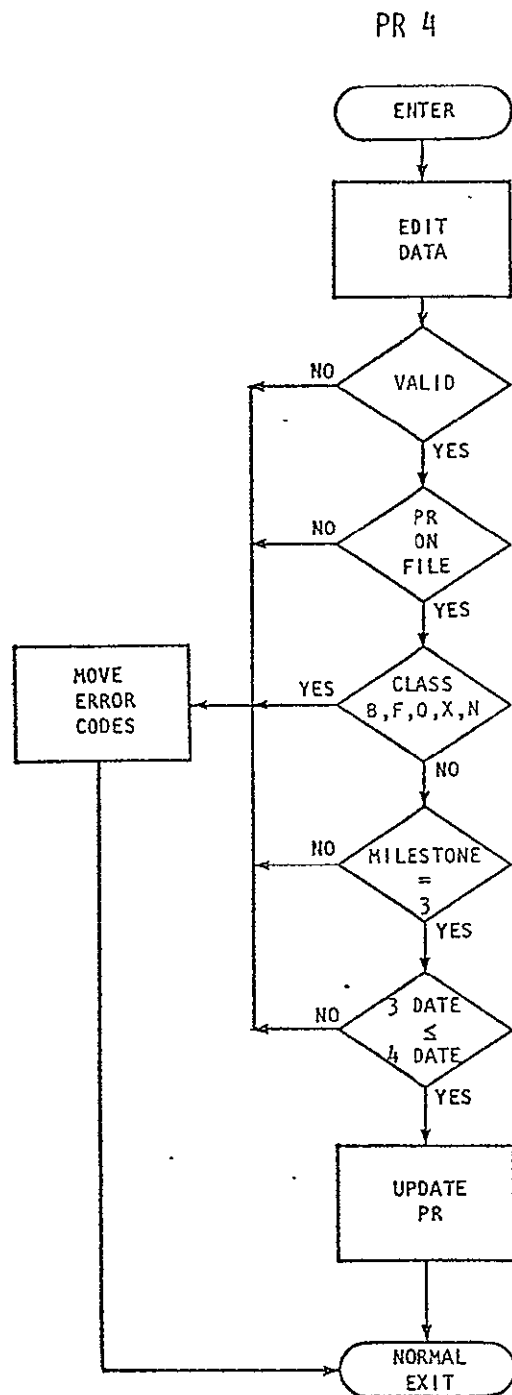
Program ID (PR207)

----- PR MILESTONE 4 PR4  
TECHNICAL EVALUATION RECEIVED  
PR NO ----- DATE -----  
RESCHEDULE DATES  
R5 ----- R6 -----

ELEMENT

PR NO - Not space  
DATE - Valid date  
R5-R6 - Blank or Valid Date

Figure 4-19.- PR Milestone 4 template.



(a) PR 4 logic flow.  
Figure 4-19.- Concluded.

PR MILESTONE 5

PURPOSE: To record that negotiations with the vendor are complete. The contract number issued for this purchase is entered. The buyer may reschedule milestone 6.

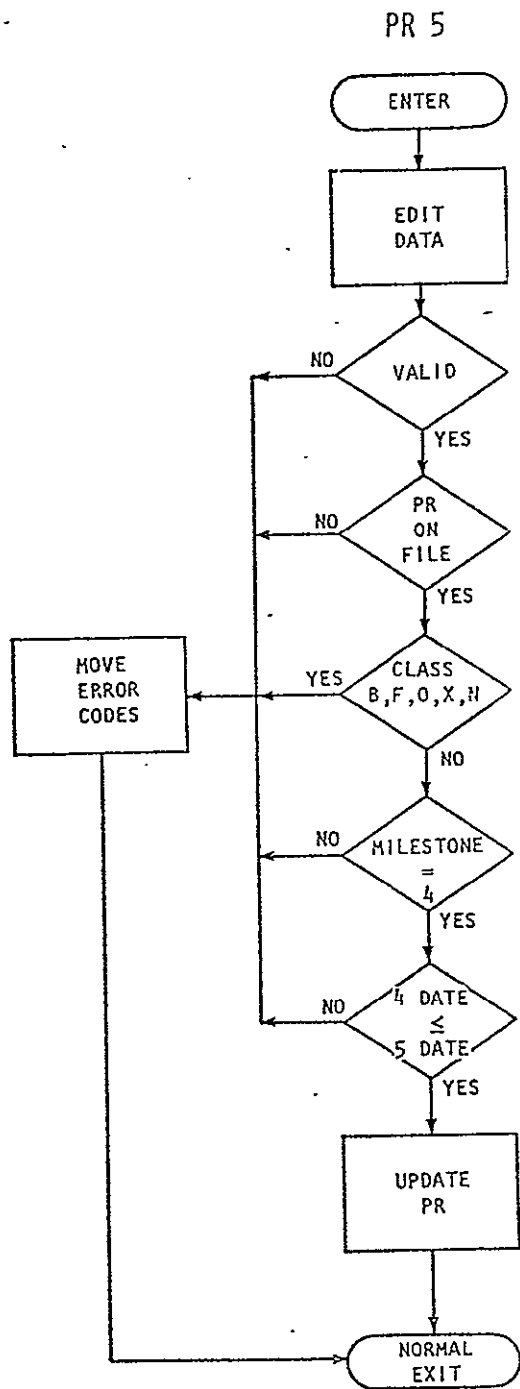
Template ID (PR5)

Program ID (PR208)

----- PR MILESTONE 5 PR5  
NEGOTIATIONS COMPLETED  
PR NO ----- DATE -- -- --  
CONTRACT NO ----- MOD/TYPE --- RESCHEDULE R6 DATE -- -- --

<u>ELEMENT</u>	<u>EDIT</u>
PR NO	- Not space
DATE	- Valid date
CONTRACT NO	- Not space
MOD/TYPE	- No edit
R6 DATE	- Blank or valid date

Figure 4-20.- PR Milestone 5 template.



(a) PR 5 logic flow.  
Figure 4-20.- Concluded.



PURCHASE REQUEST UTILITY

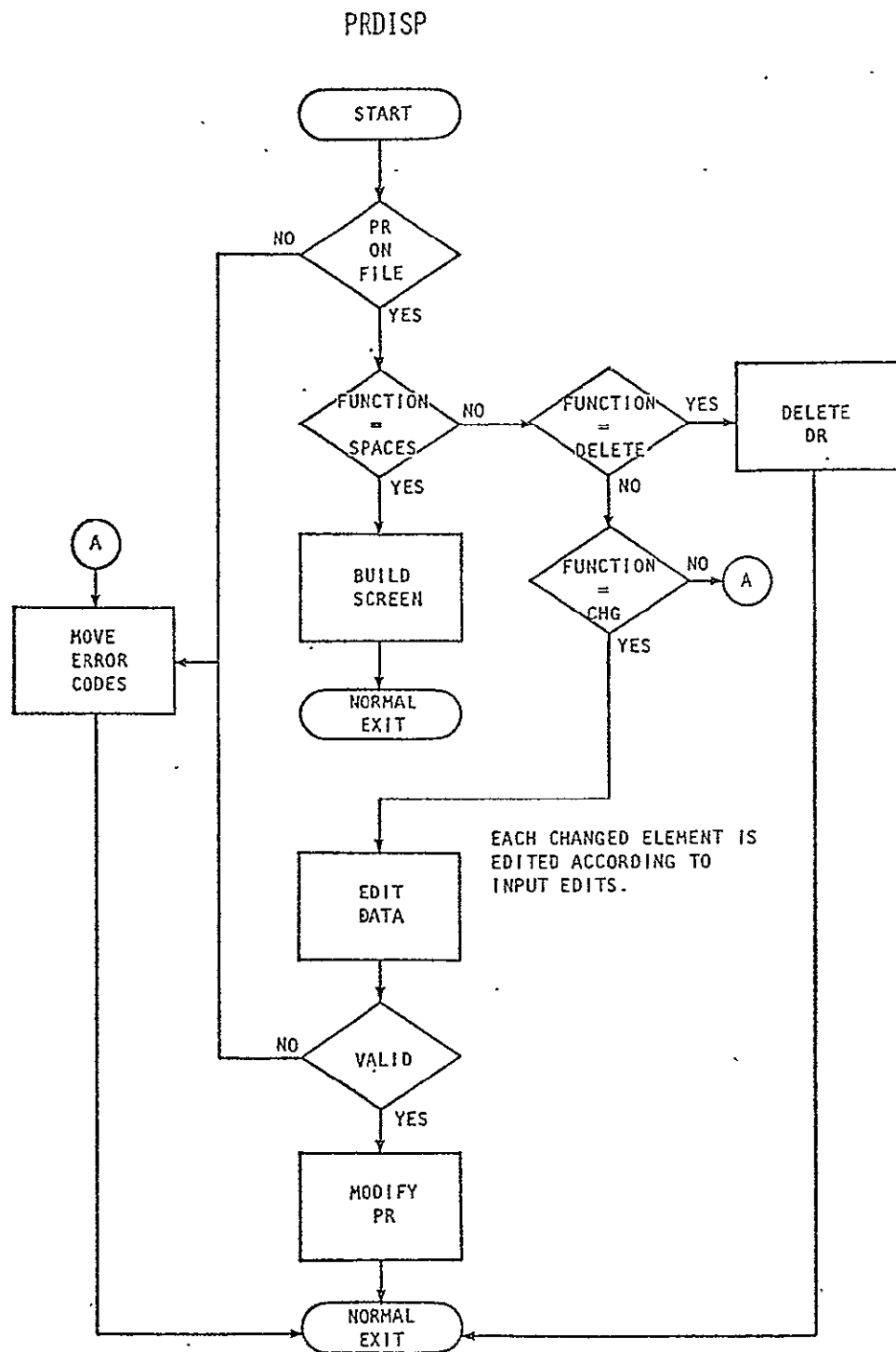
PURPOSE: This template allows the user to change or delete purchase request information in the system.

TEMPLATE ID (PRDISP)

PROGRAM ID (PR209)

-----	PURCHASE REQUEST STATUS		PRDISP
PR NO	-----	INITIATOR ----- FUNCTION -----	
DR NO	-----	DESCRIPTION -----	
TOTAL AMT	---,---,---	SOL/UNSOL NO ----- ORG/BUYER -----	
COMMIT	---,---,---	BUYER NAME ----- EXT -----	
OBL AMT	---,---,---	CONTRACT NO ----- MOD/TYPE ----- MAX STD -----	
PWC	-----	RO -- OBJ CLS ----- PERF ORG ----- PY -- FS -	
1ST ENT	-- -- --	SOLICIT RESPONSE TECH EV- NEGOTIA CONTRACT	
LST CHGD	-- -- -- -- --	ISSUED RECEIVED ALUATION COMPLETE DISTRIB.	
PR DATE	-- -- --	(2) (3) (4) (5) (6)	
REQD DATE	-- -- --	SCHED -----	
PROC DATE	-- -- --	REVSD -----	
TO BUYER	-- -- --	ACTUAL -----	
PRIC REQ	-- -- --	INACT ----- QTR -- LINE CNT --	
PRIC RCV	-- -- --	CANCEL -- MIL -- CLASS -- PLAN PR -- PPC --	
PRIC COMMENTS	-----		

Figure 4-21.- Purchase Request Utility template.



(a) PRDISP logic flow.  
Figure 4-21.- Concluded.

Basic Contract 497 (1)

Purpose: To establish a contract in the database. This template is used  
for kinds of action 01, 02, 03.

TEMPLATE ID (BASIC1)                      PROGRAM ID (CTR201)

-----  
                    INDIVIDUAL NOTICE OF PROCUREMENT ACTION                      BASIC1  
                    NEW BASIC CONTRACTS FOR KINDS OF ACTION 01,02,03

CONTRACT NO ----- CONTRACT DATE -- -- -- COMPLETION DATE -- -- --  
PPC --     DISTR DATE -- -- --     ORG/BUY -----     EXT-CMP -     BUS CODE -  
CIC CODE -----     PCSS -     CONTRACTOR -----     TYPE RECORD --  
DIVISION -----     DESCRIPTION -----  
NAME CODE -----     PROG NAME -----     P. O. P. CITY -----  
P. O. P. STATE --     P. O. P. ZIP -----     PROJ NAME -----  
TECH MONITOR -----     MONITOR MAIL CODE ----     TYPE CONTRACT --  
                    INVESTIGATOR -----     TYPE EFFORT ----     KIND ACTION --  
PRC COST ---, ---, ---, ---     FEE ---, ---, ---, ---     SYNOPSISIZED -  
TYPE CONTRACTOR --     STAT REQ -     TRADE DATA-NO -     TRADE DATE % --  
SUPPORT SERVICES -     BUY AMER % ---     COST/PERF -     AFFIRM ACT PLAN -  
PERVIOUS A. A. P. -     PROPERTY SPACE HARDWARE -     ADMIN DELEGATED -     NEW TECH -  
SM BUS SUB CTR -     GEO DISTR -     CONSULTANT CONT -     COST ACCT -     L. S. A. -  
WOMAN OWNED -     R. N. S. B. --     AWARD AMT -, ---, ---, ---, --  
OBL AMOUNT -, ---, ---, ---, --

PR NO	IND	PR OBL	PR NO	IND	PR DBL
-----	-	-, ---, ---, ---, ---+	-----	-	-, ---, ---, ---, ---+
-----	-	-, ---, ---, ---, ---+	-----	-	-, ---, ---, ---, ---+
-----	-	-, ---, ---, ---, ---+	-----	-	-, ---, ---, ---, ---+

ELEMENT

Contract no  
Contract date  
Completion date  
PPC  
Distr date  
Org/buyer  
Extent  
Bus code

EDIT

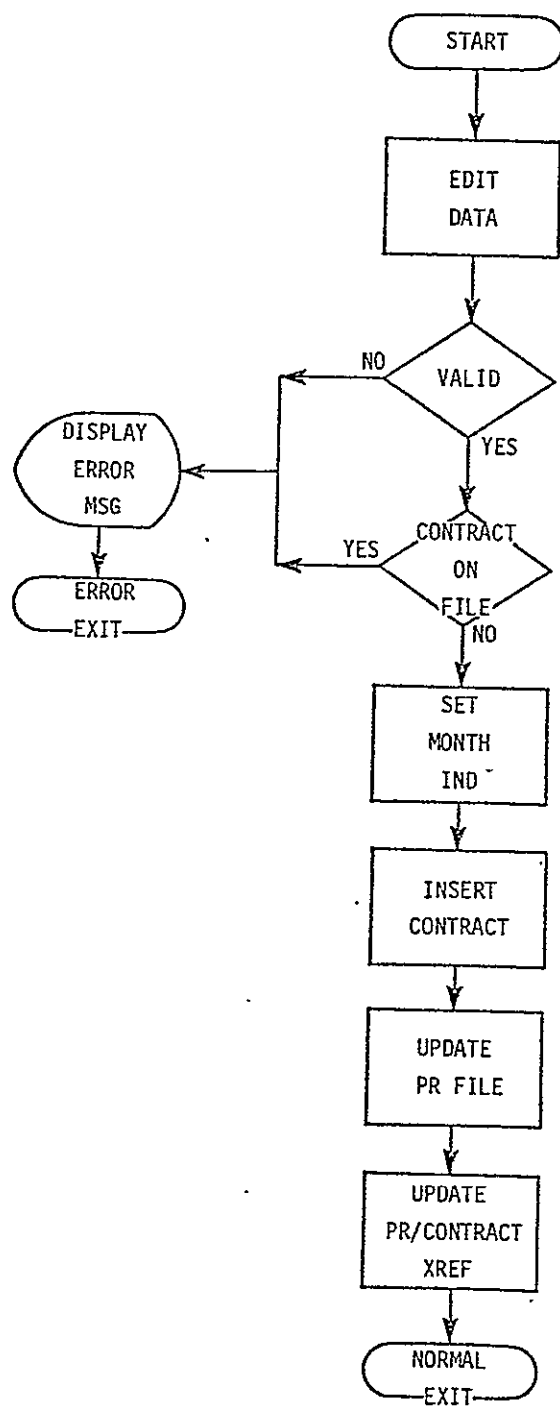
Valid prefix (table)  
Valid date  
Valid date  
Table (DPC)  
Valid date  
Table (ORG)  
Table (PPC)  
PPC table, if blank, use bus code in  
vendor table

Figure 4-22.- Basic Contract 497 (1) template.

ELEMENT	EDIT
CIC code	Formula
PCSS	Y or N
Contractor (headquarters)	Non blank
Division (headquarters)	No edit
Type record	No edit
Description	Non blank
Name code	Table (vendor) (local name, div, city, state)
Prog name	Alphabetic
P. O. P. city	Non blank
P. O. P. state	Non blank
P. O. P. zip	Non blank
Proj name	Alphabetic
Tech monitor	Non blank
Monitor mail code	First two alpha letters
Type contract	Table (PPC)
Investigator	Table (PPC)
Type effort	Table (PPC)
Kind action	Table (PPC)
Est cost	Greater zero
Est fee	Greater zero } Table (Type or contract)
Synopsized	Table (PPC)
Type contractor	Table (PPC)
Subj stat req	Table (PPC)
Trade data no	Table (PPC)
Trade data %	Table (PPC)
Support services	Table (PPC)
Buy amer %	Table (PPC)
Performance code	Table (PPC)
Affirm act plan	Table (PPC)
Previous A.A.P.	Table (PPC)
Property space hardware	Table (PPC)
Admin delegated	Table (PPC)
Sm bus sub	Table (PPC)
New tech	Table (PPC)
GEOG distr	Table (PPC)
Consultant cont	Table (PPC)
Cost acct	Table (PPC)
Woman owned	Table (PPC)
Labor surplus	Table (PPC)
Reason not small bus	Table (PPC)
Award amount	Greater zero
OBL this action	Numeric or blank
PR NOS	No duplicates - right milestone
IND	Y, N
PR OBL	Numeric - sum of all obl = obl this action

The word "MORE" in the first four characters of the last pr number allows input of more pr numbers

Figure 4-22. Continued.



(a) BASIC1 logic flow.  
Figure 4-22.- Concluded.

# Basic Contract 497 (2)

Purpose: To establish a contract in the database. This template is used for kind of action 04 only.

TEMPLATE ID (BASIC4)		PROGRAM ID (CTR202)	
-----		BASIC4	
INDIVIDUAL NOTICE OF PROCUREMENT ACTION			
NEW BASIC CONTRACTS FOR KIND OF ACTION 04			
CONTRACT NO ----- CONTRACT DATE -- -- -- COMPLETION DATE -- -- --			
PPC --	DISTR DATE -- -- --	ORG/BUY -- --	EXTENT - BUS CODE -
CIC CODE -----	PCSS -	CONTRACTOR -----	DIVISION -----
TYPE RECORD -- DESCRIPTION -----			
NAME CODE -----	P. O. P. CITY -----	P. O. P. STATE --	
P. O. P. ZIP -----	SYNOPSIS N	SUP-SRV-CONT N	COST PERF N PROP SPACE N
NEW TECH N	GEO DIST N	TYPE CONTR 01	STAT REQ N TRADE DATA NO 0
TRADE DATA % 00	BUY AMER % 00	PRIC/COST ---, ---, ---, ---+	
OBL AMOUNT -, ---, ---, ---, ---+	R. N. S. B. --	SUBJ STAT REQ -	
AGEN ORD NO -----	TYPE EFFORT ----	COST ACCT -	
AWARD AMT -, ---, ---, ---, ---+	ADMIN DELE -	SML BUS SUB -	L. S. A. -
PR NO	IND	PR OBL	PR NO IND PR OBL
=====	=====	=====	=====
ELEMENT	EDIT		
Contract no	Valid prefix (table)		
Contract date	Valid date		
Completion date	Valid date		
PPC	Table (PPC)		
Distr date	Valid date		
Org/buyer	Table (ORG)		
Extent	Table (PPC)		
Bus code	PPC table, if blank use bus code in name code table		
CIC code	Formula		
PCSS	Y or N		
Contractor	Not blank (headquarters)		
Division	Alphabetic (headquarters)		
Type record	No edit		
Description	Non blank		
Name code	Table (VENDOR)		
P. O. P. city	Non blank		
P. O. P. state	Non blank		
P. O. P. zip	Non blank		

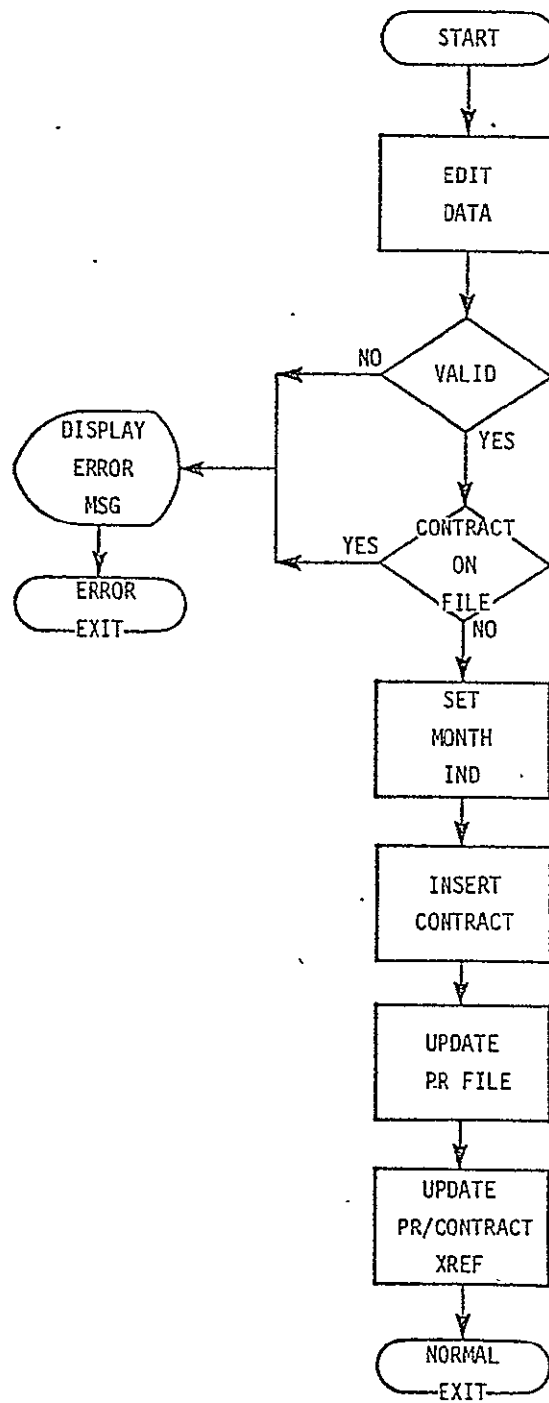
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Figure 4-23.- Basic Contract 497 (2) template.

<u>ELEMENT</u>	<u>EDIT</u>
Synop	Table (PPC)
SUP-SRV-CONT	Table (PPC)
Cost perf	Table (PPC)
Prop space	Table (PPC)
New tech	Table (PPC)
Geo dist	Table (PPC)
Type contr	Table (PPC)
Stat req	Table (PPC)
Trade data no	Table (PPC)
- - %	Table (PPC)
Buy amer %	Table (PPC)
PRJC/cost	Greater zero
Obl amount	Numeric or blank
Reason not small bus	Table (PPC)
Subj stat req	Table (PPC)
Agen ord no	No edit
Type effort	Table
Cost acct	Table (PPC)
Award amt	Numeric
Admin delegated	Table (PPC)
Sm bus sub	Table (PPC)
Labor surplus	Table (PPC)
PR NOS	No duplication - right milestone
IND	Y, N
PR OBL	Numeric - sum of all bl = obl amount

The word "MORE" in the first four characters of the last pr no will allow input of more pr numbers.

Figure 4-23.- Continued.



(a) BASIC4 logic flow.  
Figure 4-23.- Concluded.



### Basic Contract 497 (3)

Purpose: To establish a contract in the database. This template is used for kind of action 05 only.

TEMPLATE ID (BASIC5)

PROGRAM ID (CTR203)

```
-----      INDIVIDUAL NOTICE OF PROCUREMENT ACTION      BASIC5
              NEW BASIC CONTRACTS FOR KIND OF ACTION 05

CONTRACT NO ----- CONTRACT DATE -- -- -- COMPLETION DATE -- -- --
DISTR DATE -- -- -- ORG/BUYER ----- TYPE RECORD -- CIC CODE -
CONTRACTOR ----- DIVISION ----- AWARD --, ---, ---, ---.---+
DESCRIPTION ----- NAME CODE -----
P. O. P. CITY ----- P. O. P. ST -- P. O. P. ZIP -----
TYPE CONTRACT 17 BUS CODE I PPC 98
OBL AMOUNT --, ---, ---, ---.---+ TYPE EFFORT ----- PRC/COST --, ---, ---, ---
```

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	--, ---, ---, ---.---+	-----	-	--, ---, ---, ---.---+
-----	-	--, ---, ---, ---.---+	-----	-	--, ---, ---, ---.---+
-----	-	--, ---, ---, ---.---+	-----	-	--, ---, ---, ---.---+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Contract date	Valid date
Completion date	Valid date
Distr date	Valid date
Org/buyer	Table (ORG)
Type record	No edit
CIC code	Formula
Contractor	Not blank (headquarters)
Division	Alphabetic (headquarters)
Award amt	Numeric
Description	Non blank
Name code	Table (bus code), (local name, div, city, state)
P. O. P. city	Non blank
P. O. P. state	Non blank
P. O. P. zip	Non blank
Type contract	Table (type)
Bus code	Table (PPC)
PPC	Table (PPC)
Obl amount	Numeric or blank

Figure 4-24.- Basic Contract 497 (3) template.

ELEMENT

Type effort  
PRC/cost  
PR nos  
IND  
PR OBL

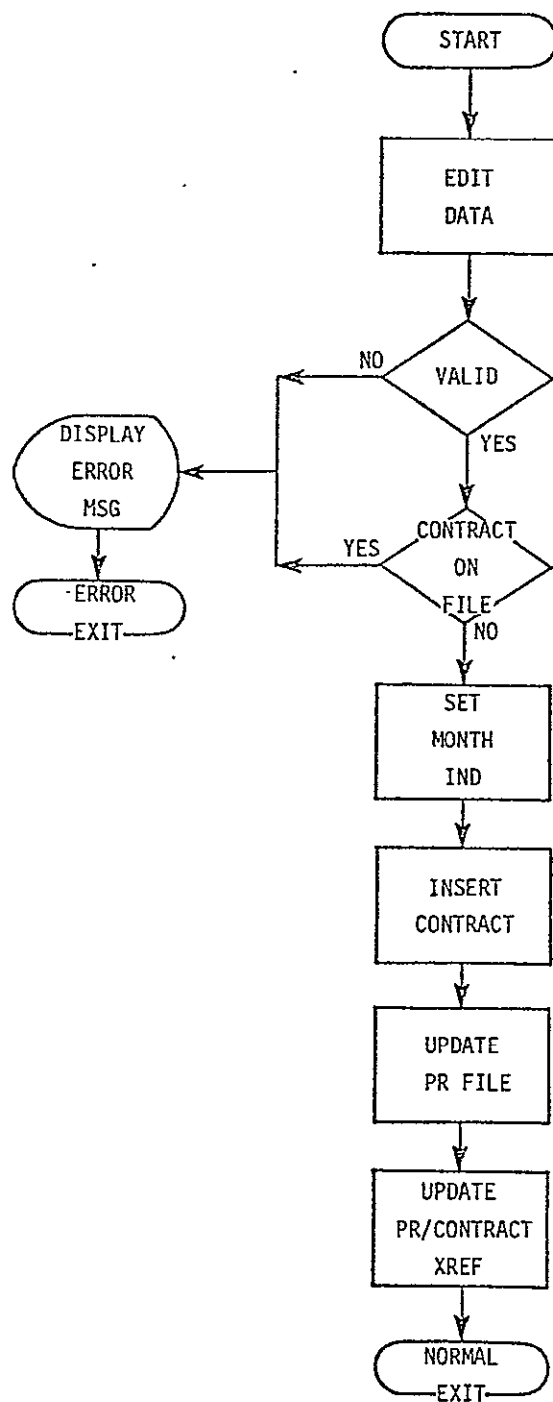
EDIT

Table  
Numeric  
No duplicates - right milestone  
Y, N  
Numeric - sum of all obl = obl this  
action

The word "MORE" in the first four  
characters of the las pr no allows  
input of more pr numbers

ORIGINAL PAGE 103  
OF POOR QUALITY

Figure 4-24. Continued.



(a) BASIC5 logic flow.  
Figure 4-24.- Concluded.

Basic Contract 497 (4)

Purpose: To establish a contract in the database. This template is used for kind of action 06 or 21.

TEMPLATE ID (BASIC6)

PROGRAM ID (CTR204)

```
-----
                INDIVIDUAL NOTICE OF PROCUREMENT ACTION          BASIC6
                NEW BASIC CONTRACTS FOR KIND OF ACTION 06

CONTRACT NO ----- CONTRACT DATE -- -- -- COMPLETION DATE -- -- --
PPC --   DISTR DATE -- -- --   ORG/BUY -- --   EXTENT -   BUS CODE -
CIC CODE -----   PCSS -   CONTRACTOR -----   DIVISION -----
DESCRIPTION -----   NAME CODE -----
P. O. P. CITY -----   P. O. P. STATE --   P. O. P. ZIP -----
PROJ NAME -----   TECH MONITOR -----   MONITOR MAIL CODE ----
PRIC/COST --, --, --, --+   OBL AMOUNT --, --, --, --+
TYPE CONTRACTOR --   TYPE EFFORT ----   AWARD AMT --, --, --, --+
INVESTIGATOR -----   TYPE CONTRACT --   PROG NAME -----
                KIND ACTION --   TYPE RECORD --   L. S. A. -

PR NO   IND   PR OBL   PR NO   IND   PR OBL
-----   -   - , --, --, --+   -----   -   - , --, --, --+
-----   -   - , --, --, --+   -----   -   - , --, --, --+
-----   -   - , --, --, --+   -----   -   - , --, --, --+
```

ELEMENT

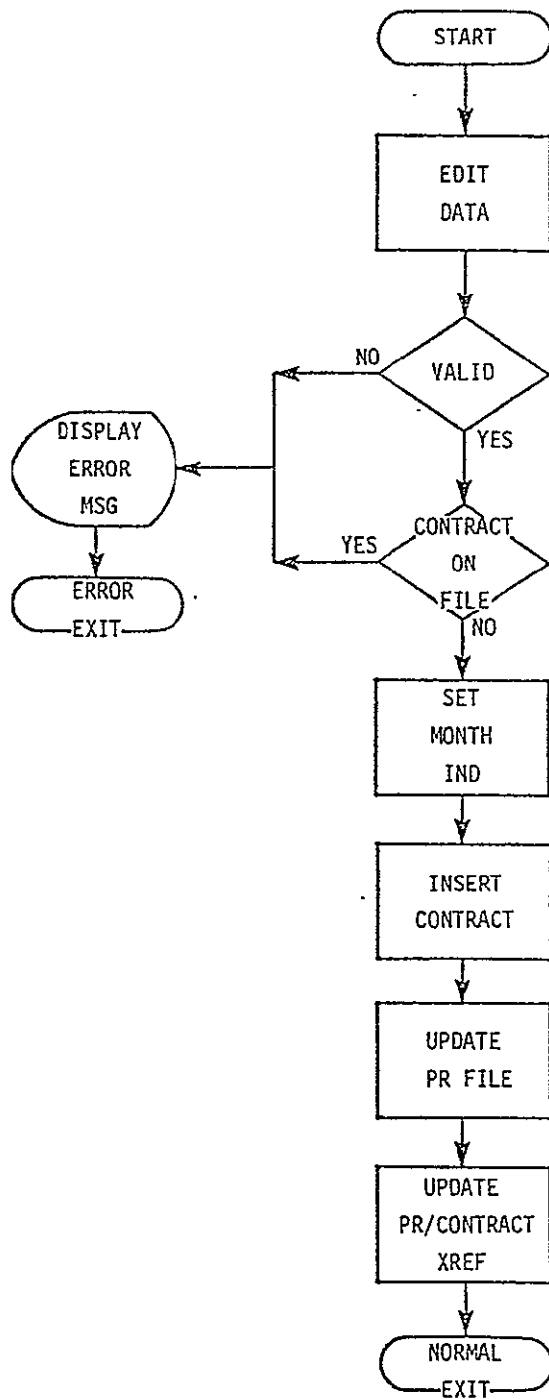
EDIT

Contract.no	Valid prefix
Contract date	Valid date
Completion date	Valid date
PPC	Table (PPC)
Distr date	Valid date
Org/buyer	Table (ORG)
Extent	Table (PPC)
Bus code	PPC table, if blank use bus code in name code table
CIC code	Formula
PCSS	Y or N
Contractor	Not blank (headquarters)
Division	Alphabetic
Description	Non blank
Name code	Table (vendor)
P. O. P. city	Non blank
P. O. P. state	Non blank
P. O. P. zip	Non blank
Proj name	Non numeric or space
Tech monitor	Non blank
Monitor mail code	First two alpha

Figure 4-25.- Basic Contract 497 (4) template.

<u>ELEMENT</u>	<u>EDIT</u>
Pric/cost	Greater zero
Obl amount	Numeric
Type contractor	Table (PPC)
Type effort	Table
Award amt	Numeric
Investigator	Non blank
Type contract	Table
Prog name	Alphabetic or blank
Kind action	Table (PPC)
Type record	No edit
L. S. A.	Table (PPC)
PR nos	No duplicates - right milestone
IND	Y, N
PR obl	Numeric - sum of all obl = obl amount

Figure 4-25.- Continued.



(a) BASIC6 logic flow.  
Figure 4-25.- Concluded.

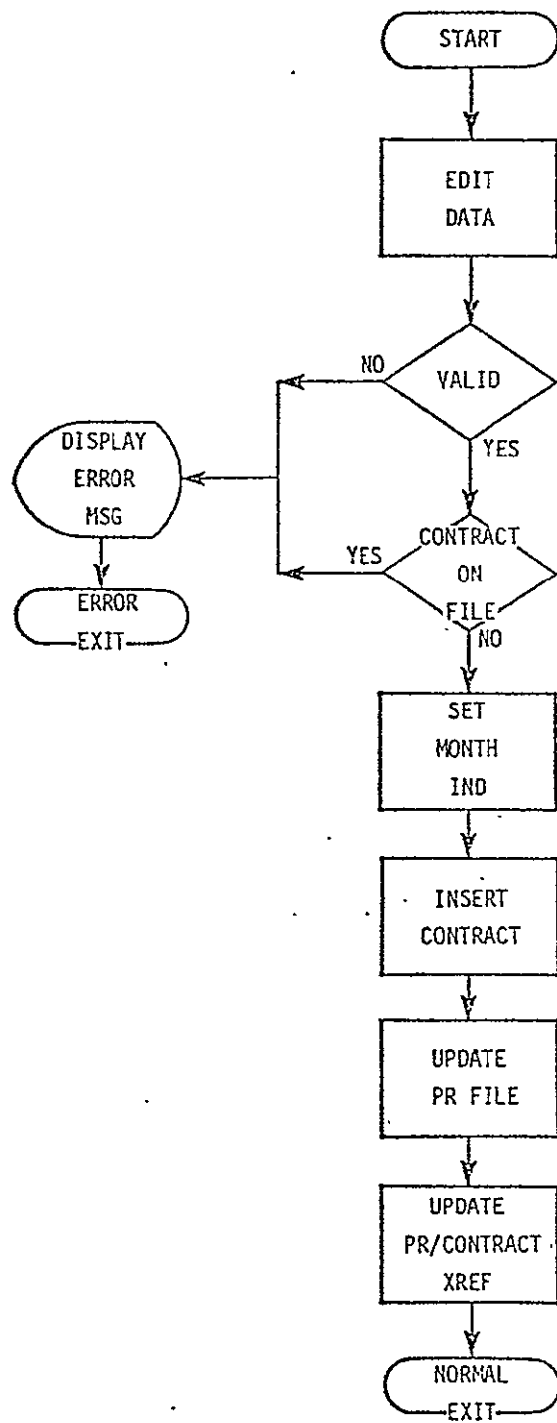
### No Cost Contracts

Purpose: To establish a no cost contract on the database. This is used for all types of contract 19 input.

TEMPLATE ID (NOCOST)		PROGRAM ID (CTR205)	
-----		NOCOST	
NO COST BASIC CONTRACTS			
CONTRACT NO -----	CONTRACT DATE -- -- --	PPC --	TYPE CONTRACT 19
ORG/BUYER ---- --	COMPLETION DATE -- -- --	NAME CODE -----	
DESCRIPTION -----			
PR NO	IND		
-----	-		

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Contract date	Valid date
PPC	Table
Type contract	Table (PPC)
Org/buyer	Table
Completion date	Valid date
Name code	Table
Description	Non blank
PR no	Right milestone
IND	Y, N

Figure 4-26.-. No Cost Contracts template.



(a) NOCOST logic flow.  
Figure 4-26.- Concluded.



Purchase Order Administrative Change

Purpose: To establish modification records for Purchase Orders in the system.

TEMPLATE ID (985)

PROGRAM ID (CTR206)

PURCHASE ORDER ADMINISTRATIVE CHANGE

----- 985

CONTRACT NO	-----	MOD: NO	---	TYPE -	MOD DATE	--	--	--
	ORG/BUYER	----	--		COMPLETION DATE	--	--	--
DESCRIPTION	-----							

PR NO	IND		PR OBL		PR NO	IND		PR OBL
-----	-	-	---	---	-----	-	-	---
-----	-	-	---	---	-----	-	-	---
-----	-	-	---	---	-----	-	-	---

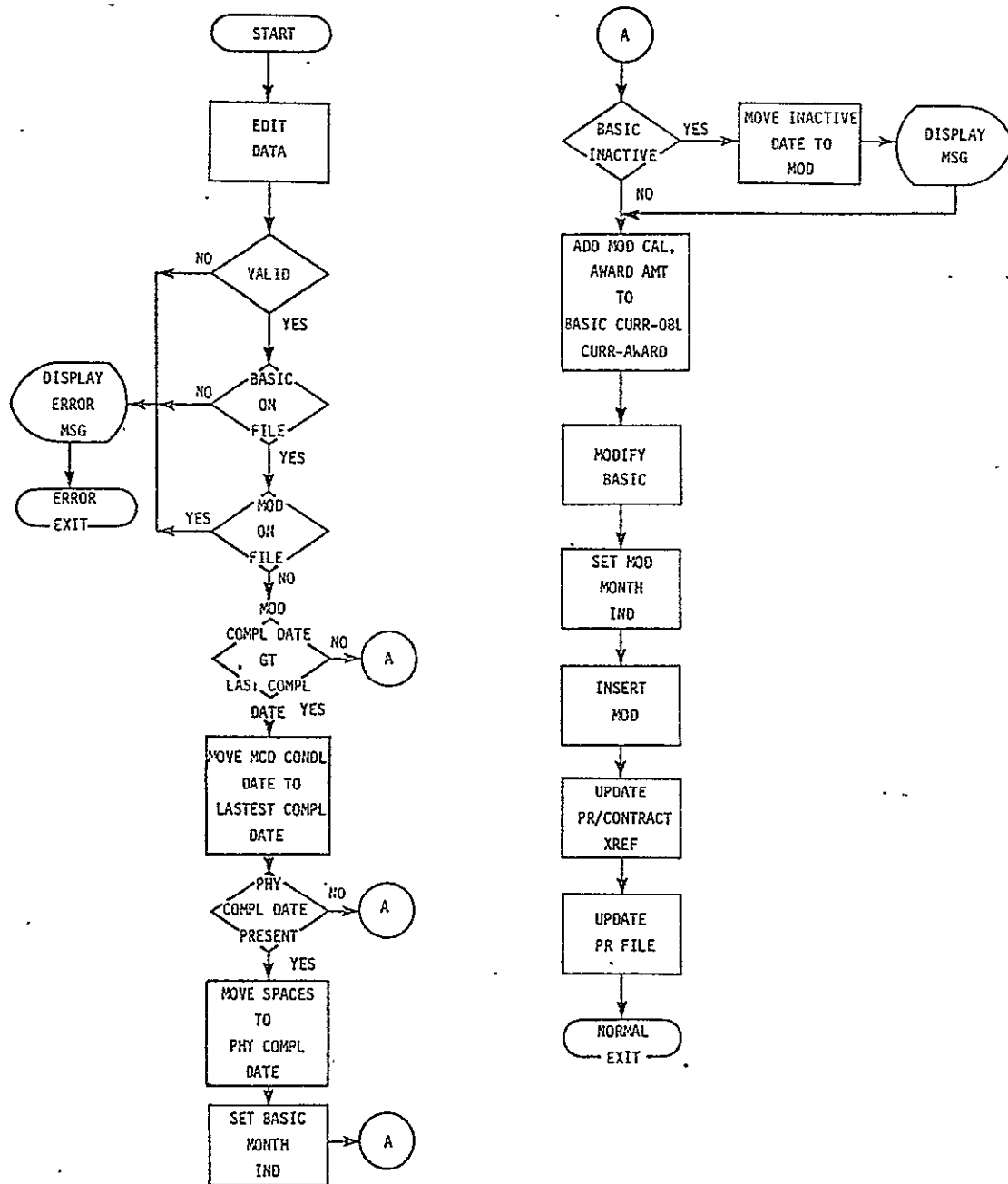
ELEMENT

Contract no  
Mod no  
Type  
Mod date  
Org/buyer  
Completion date  
Description  
PR no  
Ind  
Obl

EDIT

Valid prefix (table)  
Numeric  
Table  
Valid date  
Table  
Valid date  
Non blank  
No duplicates - right milestone  
Y, N  
Numeric - sum all obl

Figure 4-27.- Purchase Order Administration Change template.



(a) 985 logic flow.  
Figure 4-27.- Concluded.

Order for Supplies or Services

Purpose: To establish purchase orders in data base.

TEMPLATE ID (1379)

PROGRAM ID (CTR207)

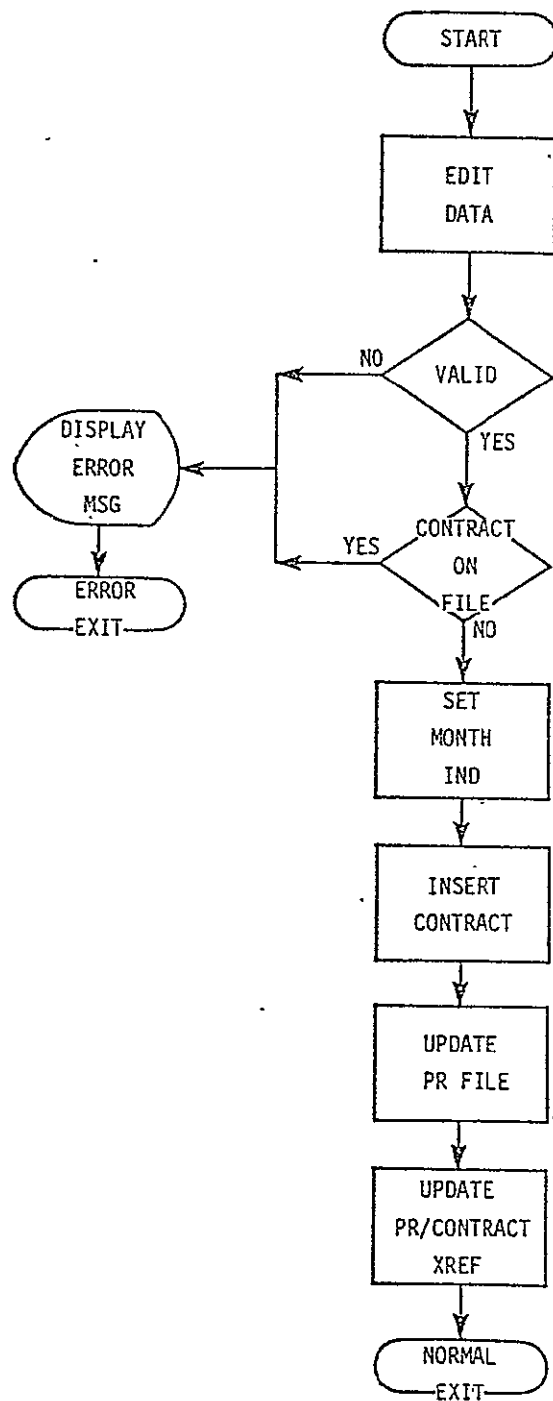
```
----- ORDER FOR SUPPLIES OR SERVICES 1379
CONTRACT NO ----- AGENCY ORDER NO ----- ORG/BUYER -----
DISTR DATE -- -- -- COMPLETION DATE -- -- -- TYPE CONTRACT --
TYPE RECORD -- NAME CODE ----- OBL AMOUNT --, --, --, --
DESCRIPTION -----
PR NO IND PR OBL PR NO IND PR OBL
----- - -, --, --, --, --+ ----- - -, --, --, --, --+
----- - -, --, --, --, --+ ----- - -, --, --, --, --+
----- - -, --, --, --, --+ ----- - -, --, --, --, --+
```

ELEMENT

EDIT

Contract no	Table (prefix)
Agency order no	No edit
Org/buyer	Table
Distr date	Valid date
Completion date	Valid date or C, D
Type contract	Table (PPC)
Type record	No edit
Name code	Table (vendor)
PPC	Table
Obl amount	Numeric or blank
Description	Non blank
PR no	No duplication - right milestone
IND	Y, N
PR OBL	Numeric or blank

Figure 4-28.- Order for Supply or Services template.



(a) 1379 logic flow.  
Figure 4-28.- Concluded.

Purpose: To establish a modification to a purchase order.

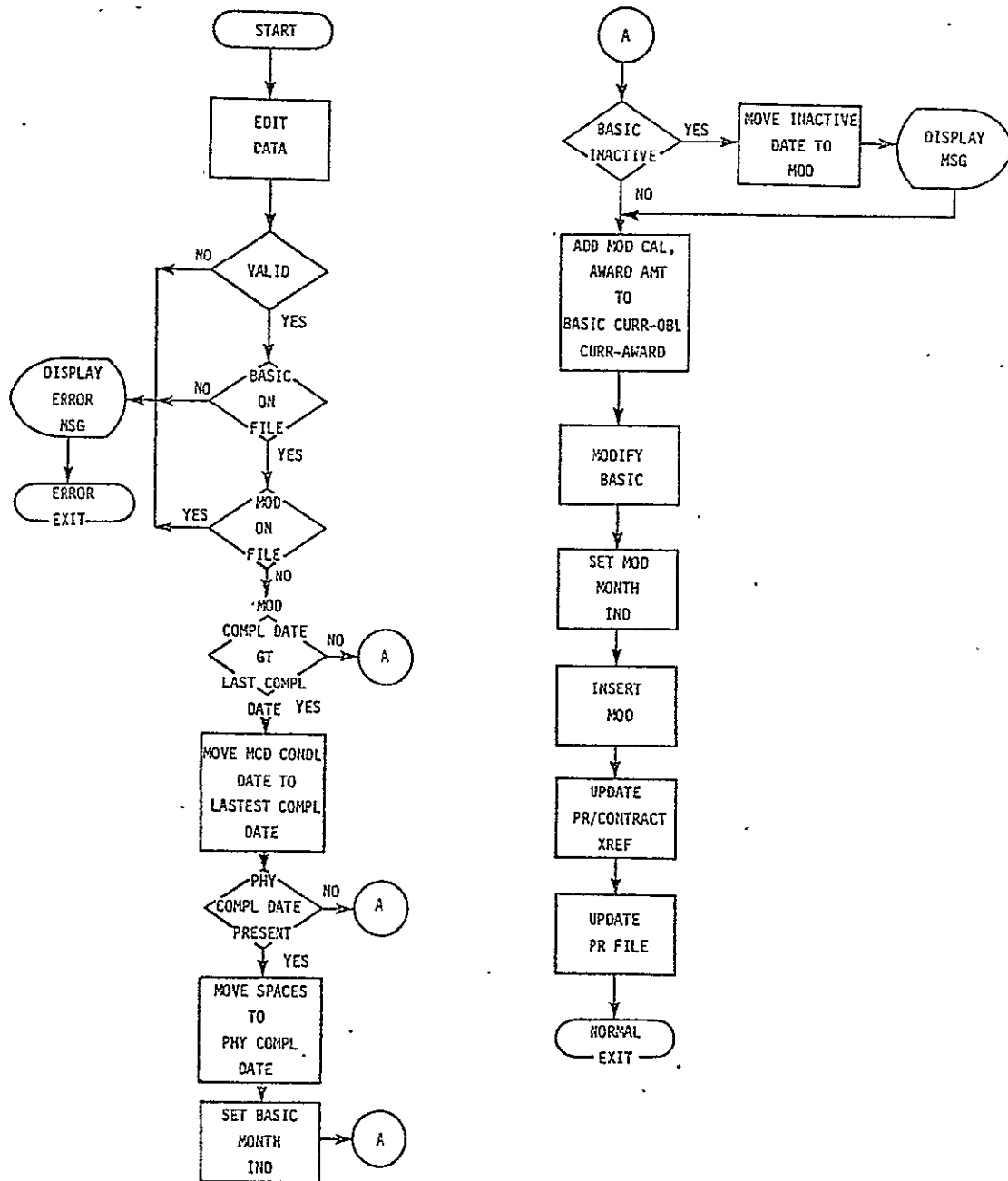
PROGRAM ID (CTR208)

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	- - , --- , --- , --- . --+		-----	- - , --- , --- , --- . --+	
-----	- - , --- , --- , --- . --+		-----	- - , --- , --- , --- . --+	
-----	- - , --- , --- , --- . --+		-----	- - , --- , --- , --- . --+	

## EDIT

Table (prefix)  
 Numeric (not blank)  
 Mod type table  
 Valid date  
 Table  
 Valid date or C, D  
 Non blank  
 No duplication  
 Y, N  
 Numeric

4-56



(a) 1379B logic flow.  
Figure 4-29.- Concluded.

Amendment of Contract - Standard Form 30

Purpose: To create modification records for contracts already existing in the system.

TEMPLATE ID (SF30)

PROGRAM ID (CTR209)

```

-----
AMENDMENT OF SOL/MOD OF CONTRACT                                SF30
CONTRACT NO ----- MOD: NO ---- TYPE - MOD DATE -- -- --
ORG/BUYER ----- COMPLETION DATE -- -- --
AWARD AMT --, ---, ---,---+ OBL AMOUNT --, ---, ---,---+
DESCRIPTION -----
PR NO   IND   PR OBL   PR NO   IND   PR OBL
-----  -   -,-,---,---,---,---+  -----  -   -,-,---,---,---,---+
-----  -   -,-,---,---,---,---+  -----  -   -,-,---,---,---,---+
-----  -   -,-,---,---,---,---+  -----  -   -,-,---,---,---,---+

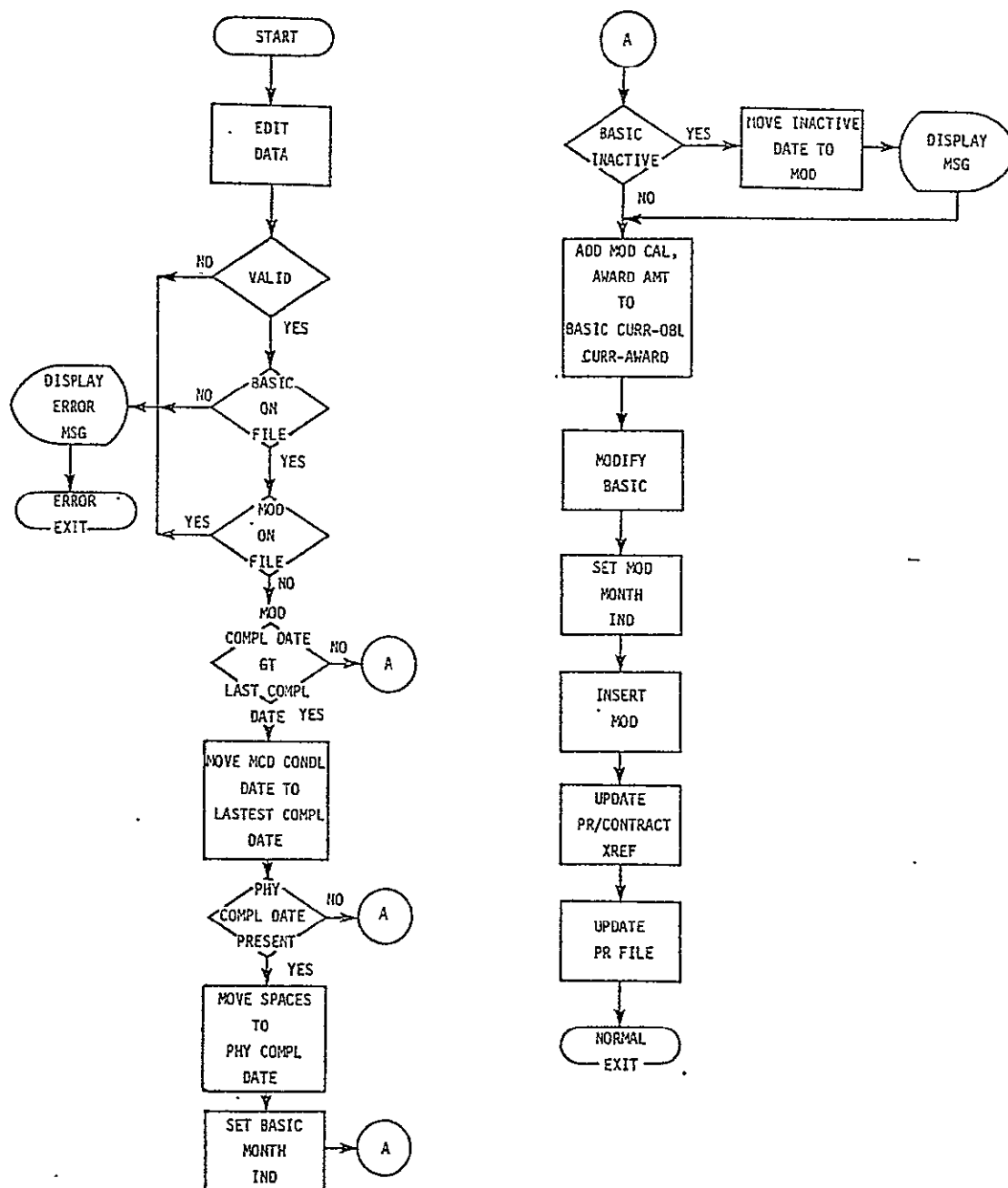
```

ELEMENT

EDIT

Contract no	Valid prefix (table)
Mod type	Table
Mod date	Valid date
Org/buyer	Table
Completion date	Valid date
Award amt	Numeric
OBL amount	Numeric
Description	Non blank
PR No	No duplicates - right milestone
IND	Y, N
OBLG	Numeric, sum all amts

Figure 4-30.- Amendment of Contract - Standard Form 30 template.



(a) SF30 logic flow.  
Figure 4-30.- Concluded.



Purchase Order Invoice Voucher - Standard Form 44

Purpose: The basic input for purchase orders. It is used for over the counter purchases when NASA personnel are away from the procurement office or home installation.

TEMPLATE ID (SF44)

PROGRAM ID (CTR210)

PURCHASE ORDER INVOICE VOUCHER

SF44 .

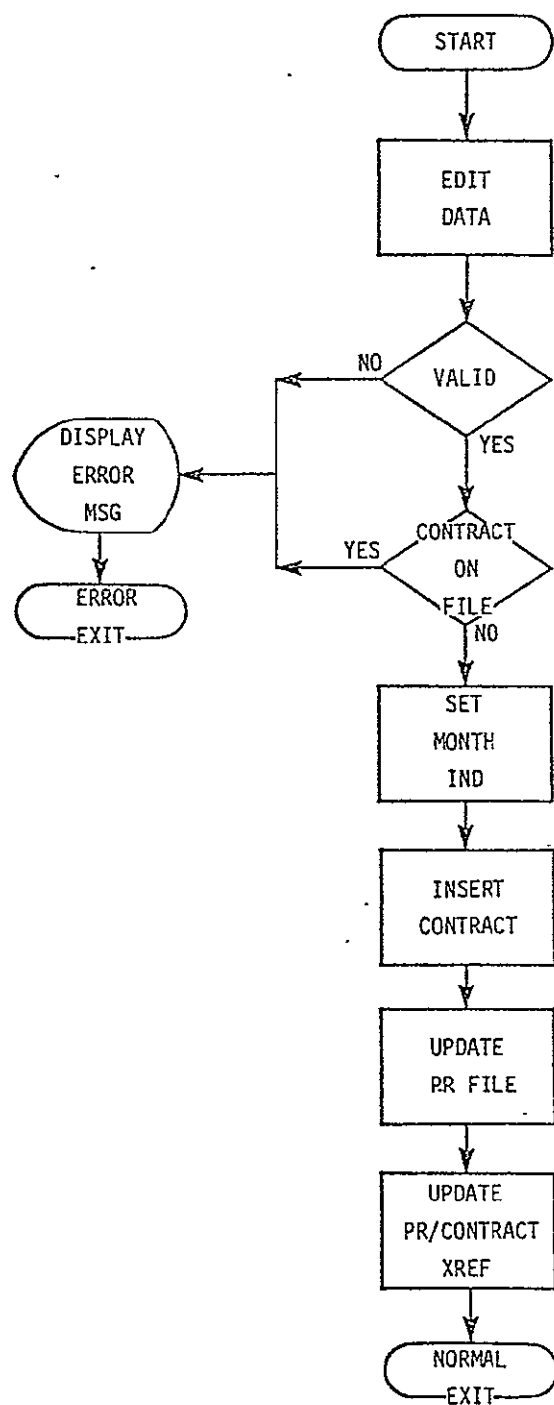
CONTRACT NO ----- DISTR DATE -- -- -- NAME CODE -----  
ORG/BUYER ----- PPO -- COMPLETION DATE -- -- --  
TYPE CONTRACT 01 TYPE RECORD --  
DESCRIPTION -----  
PR NO ----- IND - OBL --, ---, ---,---+

ELEMENT

EDIT

Contract no	Valid prefix (table) expand to 12 char
Contract date	Valid date
Name code	Table
PPC	Table
Org/buyer	Table
Completion date	Valid date
OBL this action	Numeric (must equal the sum of all PR obl)
Description	Non blank
PR no	Right milestone
IND	Y, N
PR CBL	Numeric

Figure 4-31.- Purchase Order Invoice Voucher -  
Standard Form 44 template.



(a) SF44 logic flow.  
Figure 4-31.- Concluded.

### Purchase Order

Purpose: It is one of the basic input templates for purchase orders. It is used to place oral orders with contractors who do not require written orders.

TEMPLATE ID (OV91)                      PROGRAM ID (CTR211)

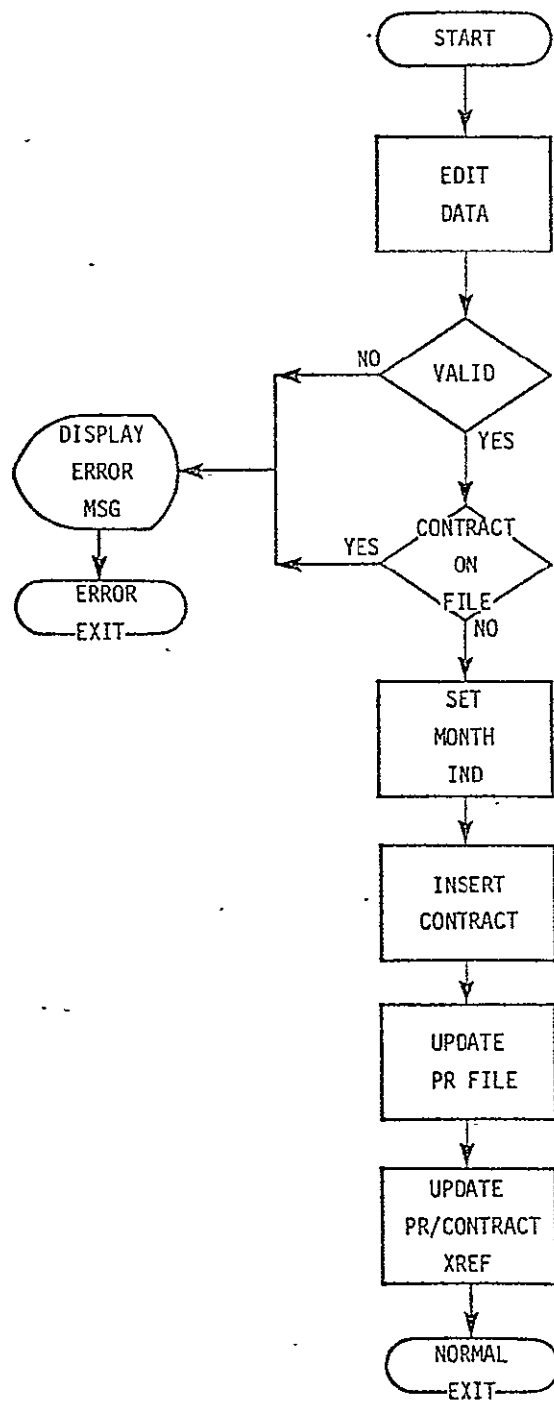
----- PURCHASE ORDER                      OV91

CONTRACT NO ----- CONTRACT DATE -- -- -- NAME CODE -----  
ORG/BUYER ---- -- PPC -- COMPLETION DATE -- -- -- TYPE CONTRACT 01  
DESCRIPTION -----  
OBL AMOUNT --, ---, ---,---+

PR NO	IND	PR OBL	PR NO	IND	PR OBL
-----	-	--, ---, ---, ---,---+	-----	-	--, ---, ---, ---,---+
-----	-	--, ---, ---, ---,---+	-----	-	--, ---, ---, ---,---+
-----	-	--, ---, ---, ---,---+	-----	-	--, ---, ---, ---,---+

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Valid prefix (table)
Contract date	Valid date
Name code	Table (vendor)
Org/buyer	Table (org)
PPC	Table
Delivery date	Valid date
Description	Non blank
OBL amount	Numeric or blank
-PR no	No duplicate - right milestone
IND	Y, N
OBL	Numeric - sum of all PR OBL = OBL amount

Figure 4-32.- Purchase Order template.

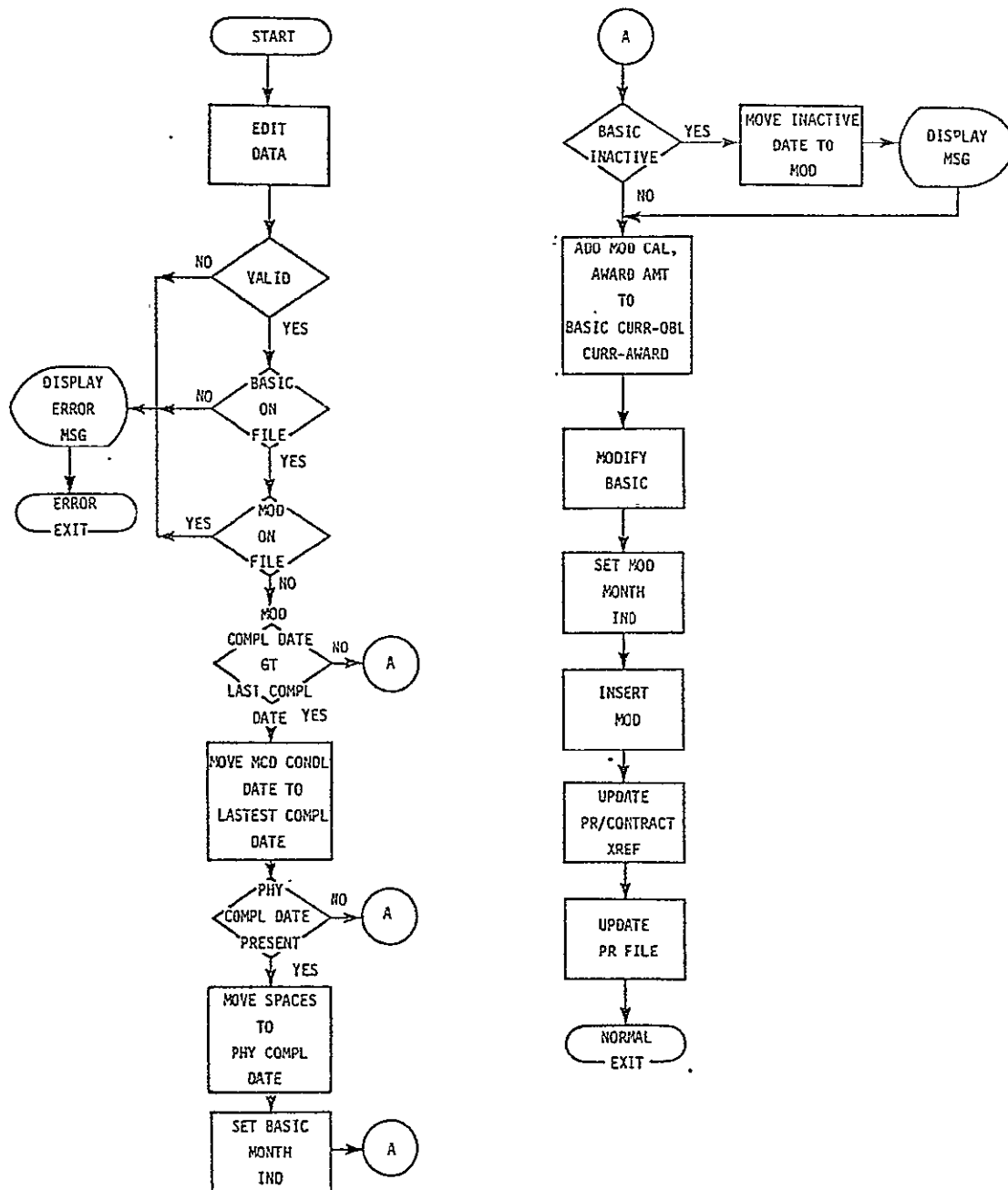


(a) OV91 logic flow.  
Figure 4-32.- Concluded.

**Purpose:** The Blanket Purchase Agreement Call template is used to add contract modification to a Blanket Purchase Agreement previously established on the IPMS Contracts Data Base.

<u>ELEMENT</u>	<u>EDIT</u>
Contract no	Table (prefix)
Mod: no	Numeric (not blank)
Mod type	Table (mod type)
Mod date	Valid date
Description	Non blank
PR No	Non blank
IND	Y, N
PR OBL	Numeric

4-64



(a) BPA logic flow.  
Figure 4-33.- Concluded.

### Status of Physically Completed

Purpose: The Status of Physically Completed Cost Type Contracts, grants, intergovernmental template is a status template to track the four contract milestones against physically complete contracts: Property Disposition Date, New Technology Date, Voucher Date Completed, and Close Out Date.

TEMPLATE ID (1263)

PROGRAM ID (CTR213)

----- STATUS OF PHYSICALLY COMPLETED 1263

CONTRACT NO -----

NEW TECHNOLOGY DATE -- -- -- GOVERNMENT PROPERTY DATE -- -- --

AUDIT & FINAL VOUCHER DATE -- -- -- CONTRACT CLOSED DATE -- -- --

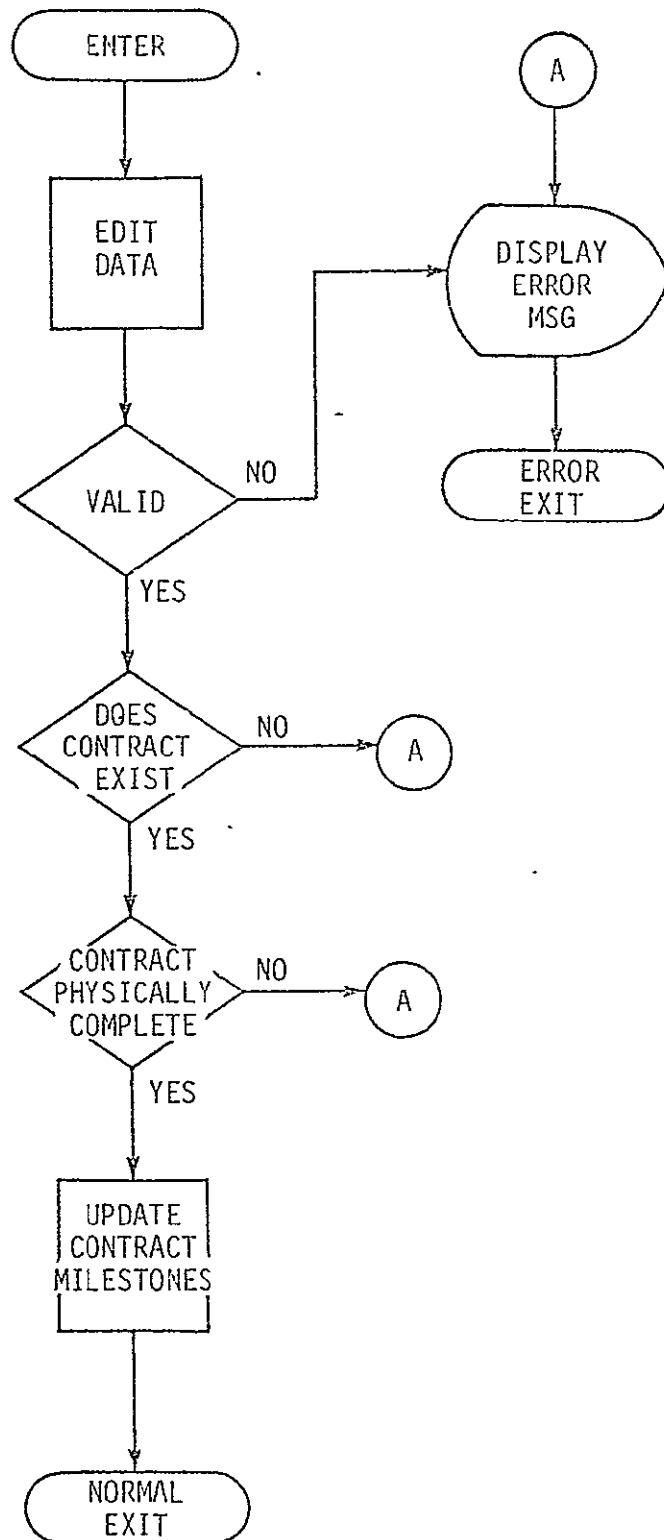
STATUS -----

#### ELEMENT

#### EDIT

Contract no	Table (prefix)
New technology date	Valid date
Government property date	Valid date
Audit and final voucher	Valid date
Contract closed date	Valid date
Status	No edit

Figure 4-34.- Status of Physically Completed template.



(a) 1263 logic flow.  
Figure 4-34.- Concluded.



Contract Delegation Data

Purpose: To establish Contract Delegation Data information for an existing contract in the IPMS Contracts Data Base.

TEMPLATE ID (2274)

PROGRAM ID (CTR214)

CONTRACT DELEGATION DATA

2274

CONTRACT NO ----- DELEGATION DATE -- -- -- DOD OFFICE ----

DELEGATIONS

QA - AU - CA - GP - PR - OTHER ----- GFP CLAUSE -----

ELEMENT

EDIT

Contract no

Valid prefix (table)

Delegation date

Valid date

DOD office

No edit

Delegations:

AU

'X' or space

CA

'X' or space

GP

'X' or space

QA

'X' or space

PR

'X' or space

Other

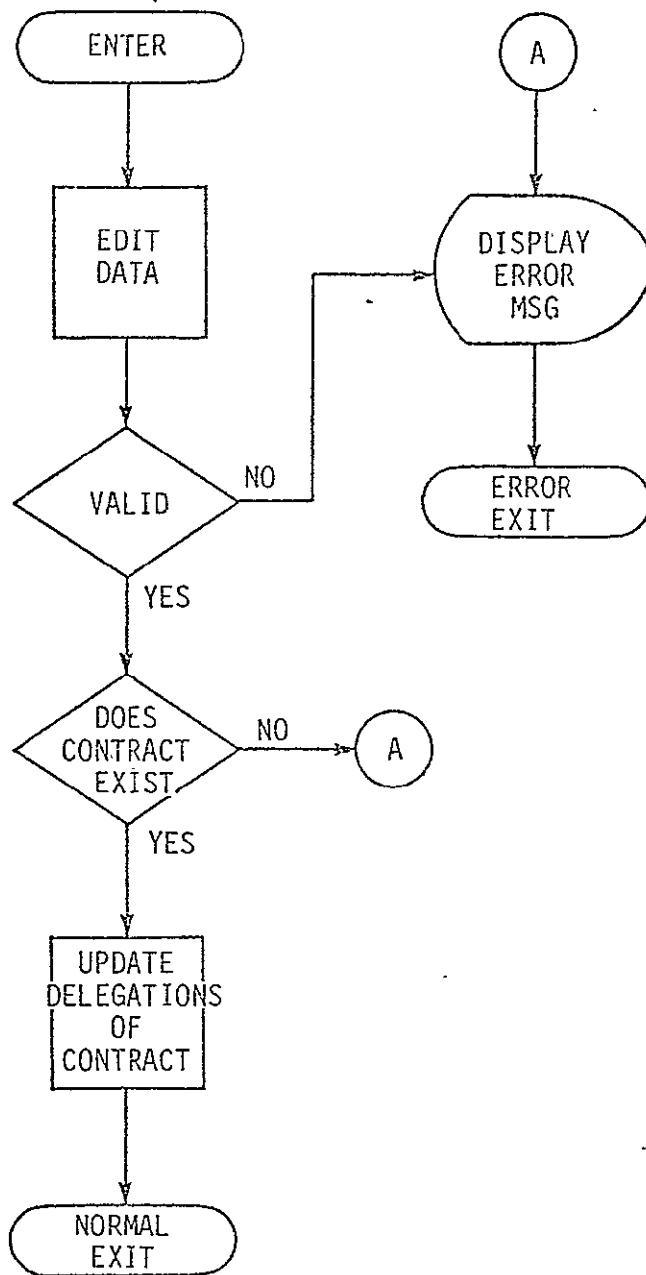
A/N or space

GFP Clause

A/N or space

Figure 4-35.- Contract Delegation Data template.

2274



(a) 2274 logic flow.  
Figure 4-35.- Concluded.

Individual Notice of Procurement Action - Administrative

Purpose: This template is used to change certain elements of contract data.

TEMPLATE ID (ADMIN)

PROGRAM ID (CTR215)

----- INDIVIDUAL NOTICE OF PROCUREMENT ACTION ADMIN  
ADMINISTRATIVE

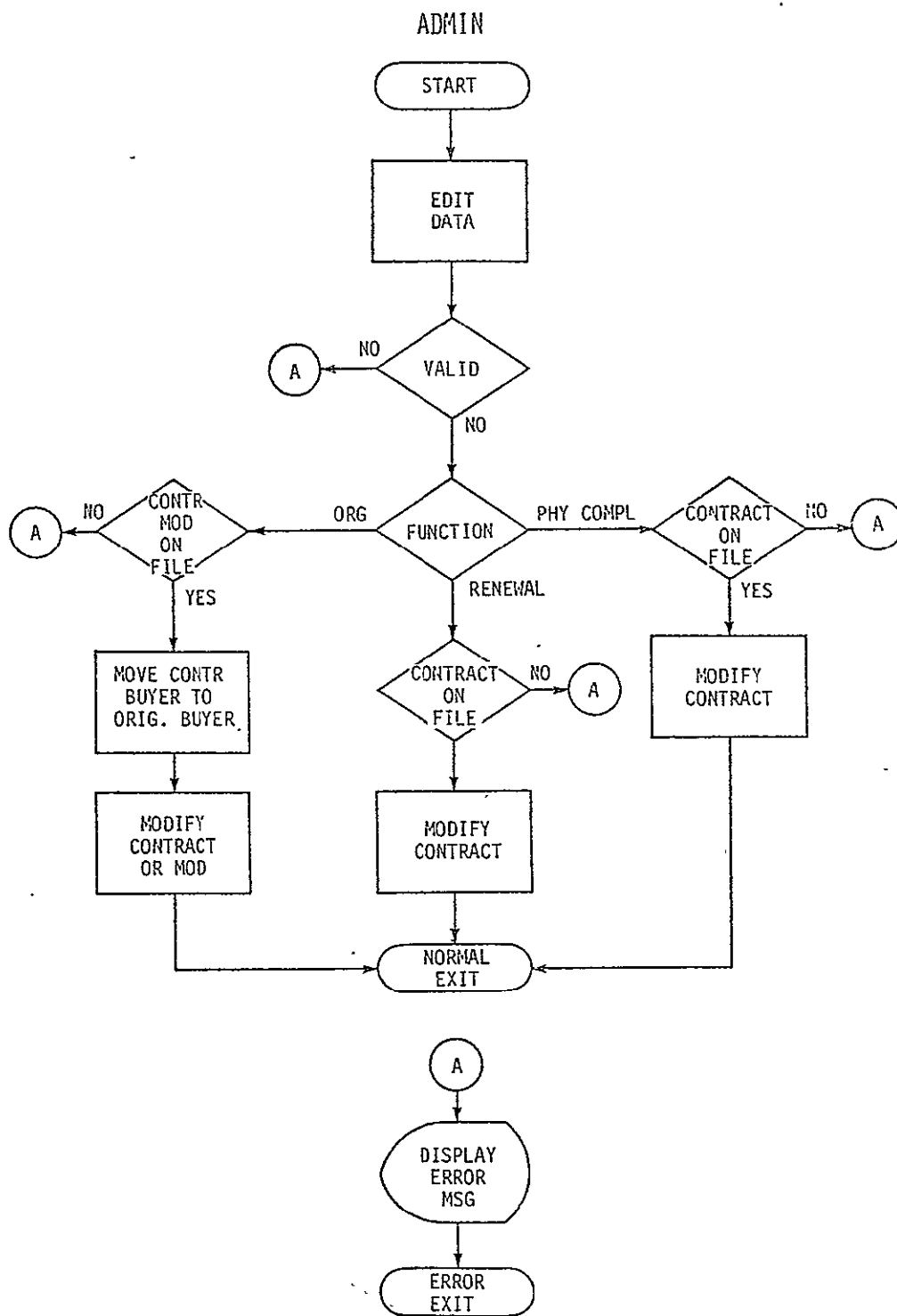
CONTRACT NO ----- MOD: NO ---  
ORG/BUYER ---- -- PHYSICALLY COMPLETE DATE -- -- --  
UNIVERSITY RENEWAL STATUS CODE -

ELEMENT

EDIT

Contract no	Non blank
Mod	No edit.
Org/buyer	Table
Physically complete date	Valid date
University renewal status code	1, 2, 3, 4

Figure 4-36.- Individual Notice of Procurement  
Action - Administrative template.



(a) ADMIN logic flow.  
Figure 4-36.- Concluded.

### Individual Notice of Procurement Action - Modifications

Purpose: To establish modifications records for basic contract data.

TEMPLATE ID (MODS)

PROGRAM ID (CTR216)

```
----- INDIVIDUAL NOTICE OF PROCUREMENT ACTION MODS
              MODIFICATIONS

CONTRACT NO ----- MOD --- TYPE - MOD DATE -- -- --
COMPLETION DATE -- -- -- DISTR DATE -- -- -- ORG/BUYER ---- --
DESCRIPTION ----- TYPE CONTRACT --
TYPE RECORD -- PRICE COST --, ---, ---, ---+ FEE ---, ---, ---+
SYNOPSISIZED - AWARD AMOUNT --, ---, ---, ---, ---+ KIND OF ACTION --
OBL AMOUNT --, ---, ---, ---, ---+

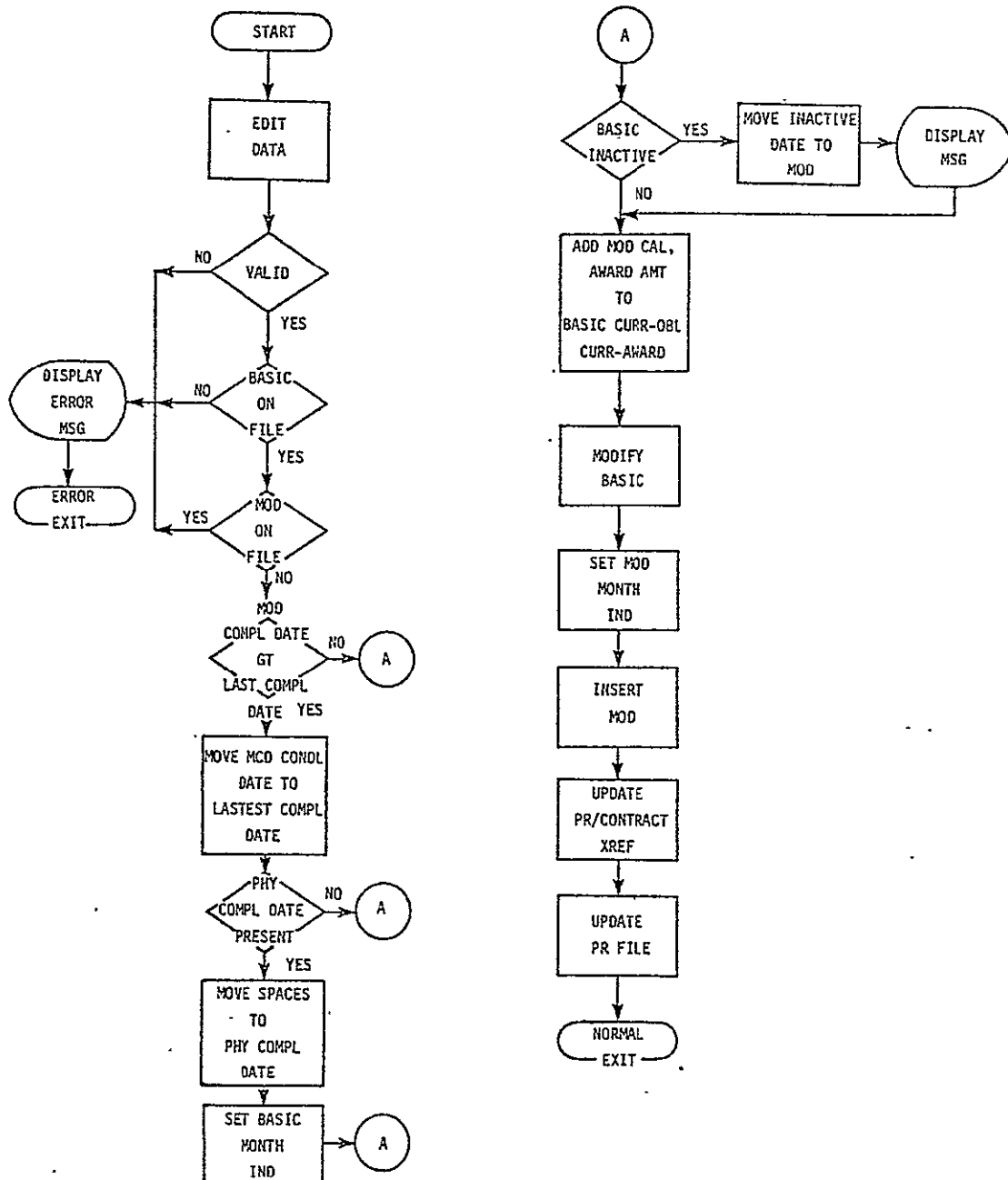
PR NO    IND          PR OBL          PR NO    IND          PR OBL
-----  -  - , ---, ---, ---, ---+  -----  -  - , ---, ---, ---, ---+
-----  -  - , ---, ---, ---, ---+  -----  -  - , ---, ---, ---, ---+
-----  -  - , ---, ---, ---, ---+  -----  -  - , ---, ---, ---, ---+
```

#### ELEMENT

#### EDIT

Contract no	Valid prefix (table)
Mod	Numeric
Type	Table (mod type)
Mod date	Valid date
Completion date	Valid date
Distr date	Valid date
Org/buyer	Table (org)
Description	Non blank
Type contract	Match basic rec.
Price/cost	Numeric or blank
Fee	- -
Synopsized	Y, N or blank
Award amt	Numeric or blank
OBL amt	Numeric or blank
Kind action	Table (mod type)
PR no	No duplicate - right milestone
IND	Y, N
PR OBL	Numeric

Figure 4-37.- Individual Notice of Procurement  
Action - Modifications template.



(a) MODS logic flow.  
Figure 4-37.- Concluded.

## Contract Utility

Purpose: To allow the user to change or delete contract information in the system.

TEMPLATE ID (CTDISP)

PROGRAM ID (CTR217)

Edits for data elements will be the same as the original input.

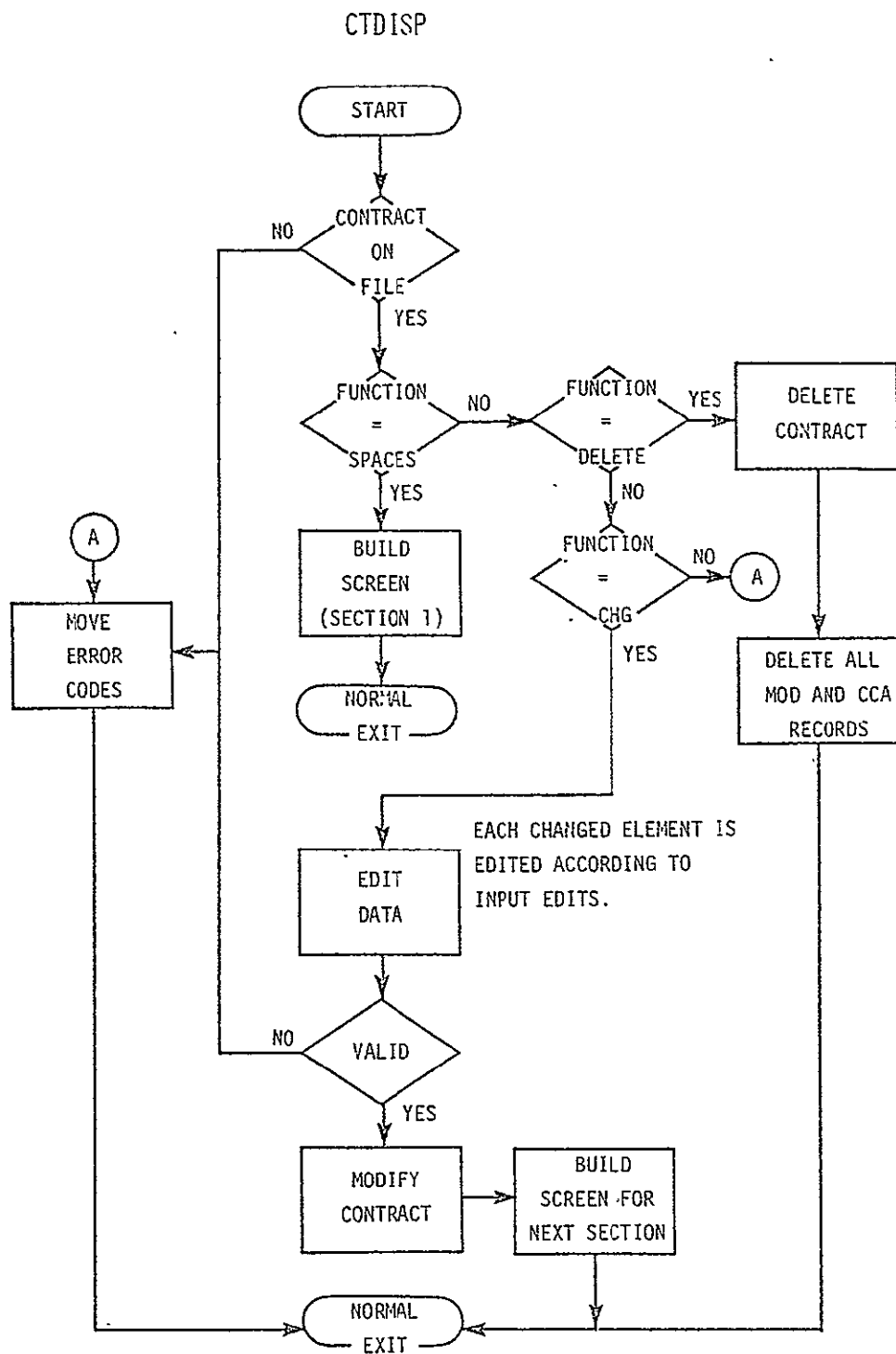
```
-----
CONTRACT UTILITY                                SECTION 1
CONTRACT NUMBER ----- FUNCTION -----
CONTRACT DATE -- -- -- COMPLETION DATE -- -- -- LASTEST COMPL -- -- --
DISTR DATE -- -- -- PPC -- PROC ORG/BUYER ----- BUS CODE -
1ST ENT -- -- -- LST CHG -- -- -- INACT -- -- -- PHY CMP -- -- --
DESCRIPTION ----- NAME CODE -----
TYPE EFFORT ---- R. N. S. B. -- PRIN. INVEST ----- NON PRINT -
PROG ----- PROJ ----- TYPE CONTRACT -- TYPE RECORD --
TECH MONITOR ----- TE MAIL CODE ---- TE EXT ----
```

```
-----
CONTRACT UTILITY                                SECTION 2
CONTRACT NUMBER -----
PRC/COST ---, ---, ---, --- FEE ---, ---, --- FACS DATE -- -- --
AWARD AMT -, ---, ---, --- OBL AMOUNT -, ---, ---, --- OBL SOURCE -
PRIOR YR AWARD -, ---, ---, --- CURR YR AWARD -, ---, ---, ---
PRIOR YR OBL -, ---, ---, --- CURR YR OBL -, ---, ---, ---
PRIOR YR COST -, ---, ---, --- CURR YR COST -, ---, ---, ---
PRIOR YR DISB -, ---, ---, --- CURR YR DISB -, ---, ---, ---
```

```
-----
CONTRACT UTILITY                                SECTION 3
CONTRACT NUMBER -----
EX CMP - CIC CODE ----- PCSS - KIND ACT -- ADMIN DELEGATED -
HDQ CONTRACTOR ----- DIV ----- NEW TECH - GEO DISTR -
P. O. P. CITY ----- P. O. P. ST -- P. O. P. ZIP -----
SM BUS SUB CTR - CONSULTANT CONT - F. S. - TERM CTR - CCA CHANGE -
TYPE CONTRACTOR -- AGENCY ORD ----- STAT REQ - TRADE DATA NO -
ORIG. ORG/BUYER ---- -- ORIG. BUYER NAME ----- TRADE DATA % --
```

```
-----
CONTRACT UTILITY                                SECTION 4
CONTRACT NUMBER -----
SYNOPSISIZED - SUPPORT SERVICES - COST PERF - A. A. P. - PREV A. A. P. -
BUY AMER % -- PROP SPACE HARDWARE - COST ACCTG - WOMEN OWNED - L. S. A. -
RENEWAL STAT - INACTIVE IND - DELEGATION DATE -- -- -- DOD OFFICE ----
DELEGATION CODES AV - CA - GP - OA - PR - GFP ----- OTHER -----
VOUCHER -- -- -- PROPERTY COMPL -- -- -- TECHNICAL COMPL -- -- --
CLOSE OUT -- -- -- STATUS -----
```

Figure 4-38.- Contract Utility template.



(a) CTDISP logic flow.  
Figure 4-38.- Concluded.



MORE PR

Purpose: To allow the input of more PR numbers for contract or mode records.

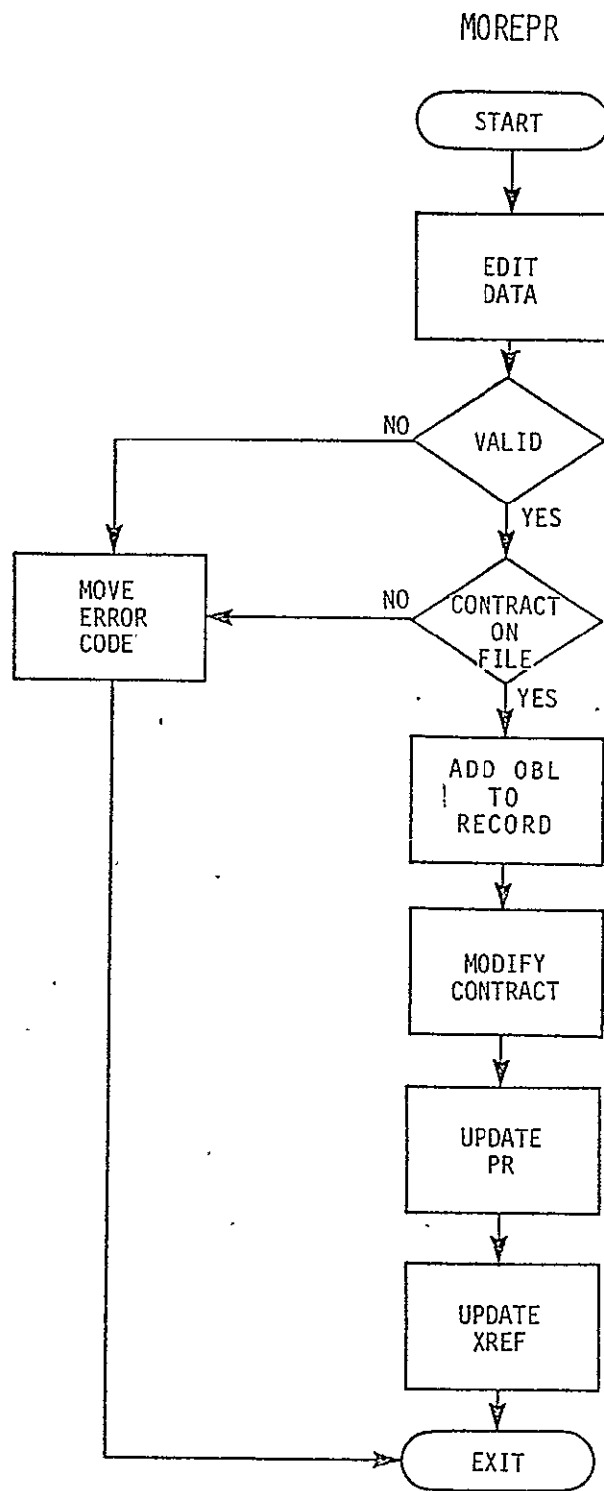
TEMPLATE ID (MOREPR)

PROGRAM ID (CTR221)

MORE PR'S FOR CONTRACTS

CONTRACT NO	MOD	OBL ANT	PR NO	IND	PR OBL
-----	---	_,_,_,_,_,_,_,_	-----	-	_,_,_,_,_,_,_,_
-----	-	_,_,_,_,_,_,_,_	-----	-	_,_,_,_,_,_,_,_
-----	-	_,_,_,_,_,_,_,_	-----	-	_,_,_,_,_,_,_,_
-----	-	_,_,_,_,_,_,_,_	-----	-	_,_,_,_,_,_,_,_
-----	-	_,_,_,_,_,_,_,_	-----	-	_,_,_,_,_,_,_,_
-----	-	_,_,_,_,_,_,_,_	-----	-	_,_,_,_,_,_,_,_

Figure 4-39.- MOREPR template.



(a.) MOREPR logic flow  
Figure 4-39,- Concluded.

CCA Status Event 1

Purpose: To establish CCA event 1 information in the data base.

TEMPLATE ID (CCA1)

PROGRAM ID (CCA201)

----- CCA STATUS CCA1  
CONTRACT CHANGE ISSUE  
CONTR NO ----- SCH - CCA: TYPE -- NO ---- REV NO --  
DATE ISSUED -- -- -- EST AMT ---, ---, ---,---+ CCBD NO -----  
ECP NO ----- SCH PROPOSAL RECEIPT DATE -- -- -- REV IND - PKG NO ---  
TECH EVAL ----- TE MAIL CODE ---- TE EXT :---- PROC ORG -----  
DESCRIPTION -----

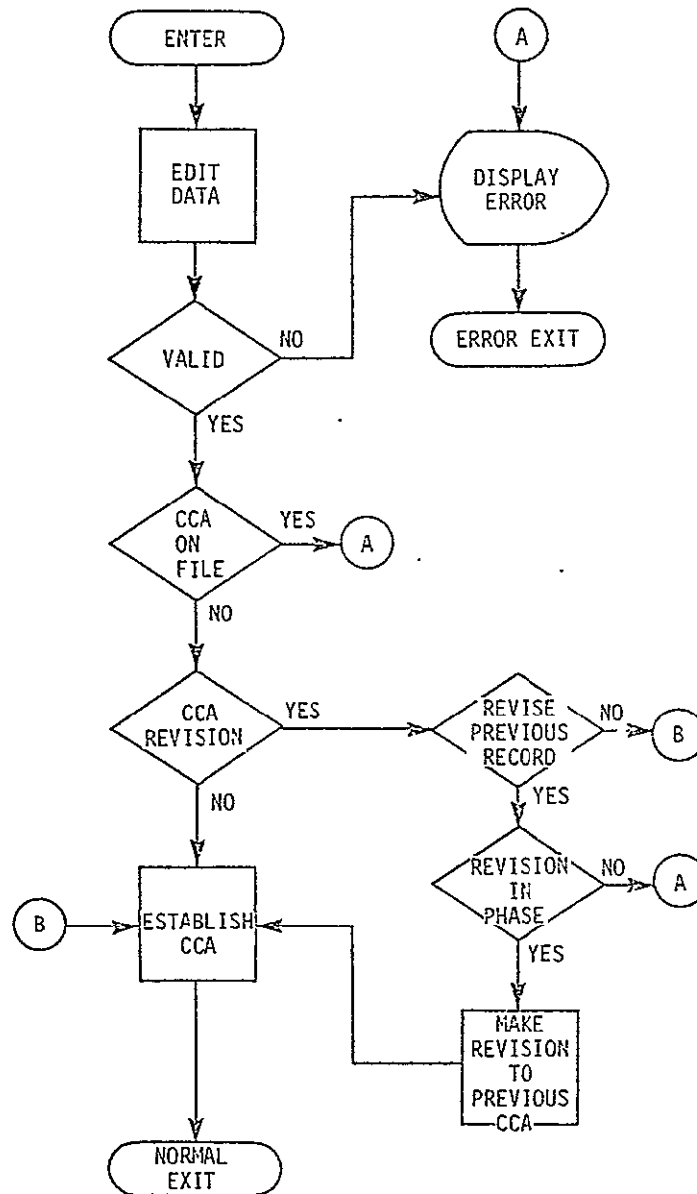
ELEMENT

EDIT

Contr no	Non blank
SCH	Blank or alpha
CCA: type	Table (CCA Type)
CCA: no	Numeric
CCA: rev no	Numeric or blank
Date issued	Valid date
Est amt	Numeric or 'TBD'
CCBD no	Non blank
ECP no	Non blank
SCH propose receipt date	Blank or valid date - if non blank must be > issue date
Rev ind	Blank or if rev no non blank must be Y or N
Pkg no	Non blank
Tech eval	No edit
TE mail code	No edit
TE ext	No edit
Proc org	Table (ORG)
Description	Non blank

Figure 4-40.- CCA Status Event1 template.

CCA1



(a) CCA1 logic flow.  
Figure 4-40.- Concluded.

CCA STATUS EVENT2

PURPOSE: To establish CCA Event 2 information in the IPMS Data Base.

Template ID (CCA2)

Program ID (CCA202)

----- CCA STATUS CCA 2  
PROPOSAL RECEIVED

CONTR NO: \_\_\_\_\_ SCH CCA: TYPE: \_\_\_ NO: \_\_\_\_\_ REV NO: \_\_

DATE RCVD: \_\_ \_\_ \_\_ PROPOSAL AMT: \_\_, \_\_, \_\_ + ECP NO: \_\_\_\_\_

ELEMENT

CONTR. NO. - A/N (Non space)

CCA TYPE - Alpha (non space)

CCA NO. - Numeric or space

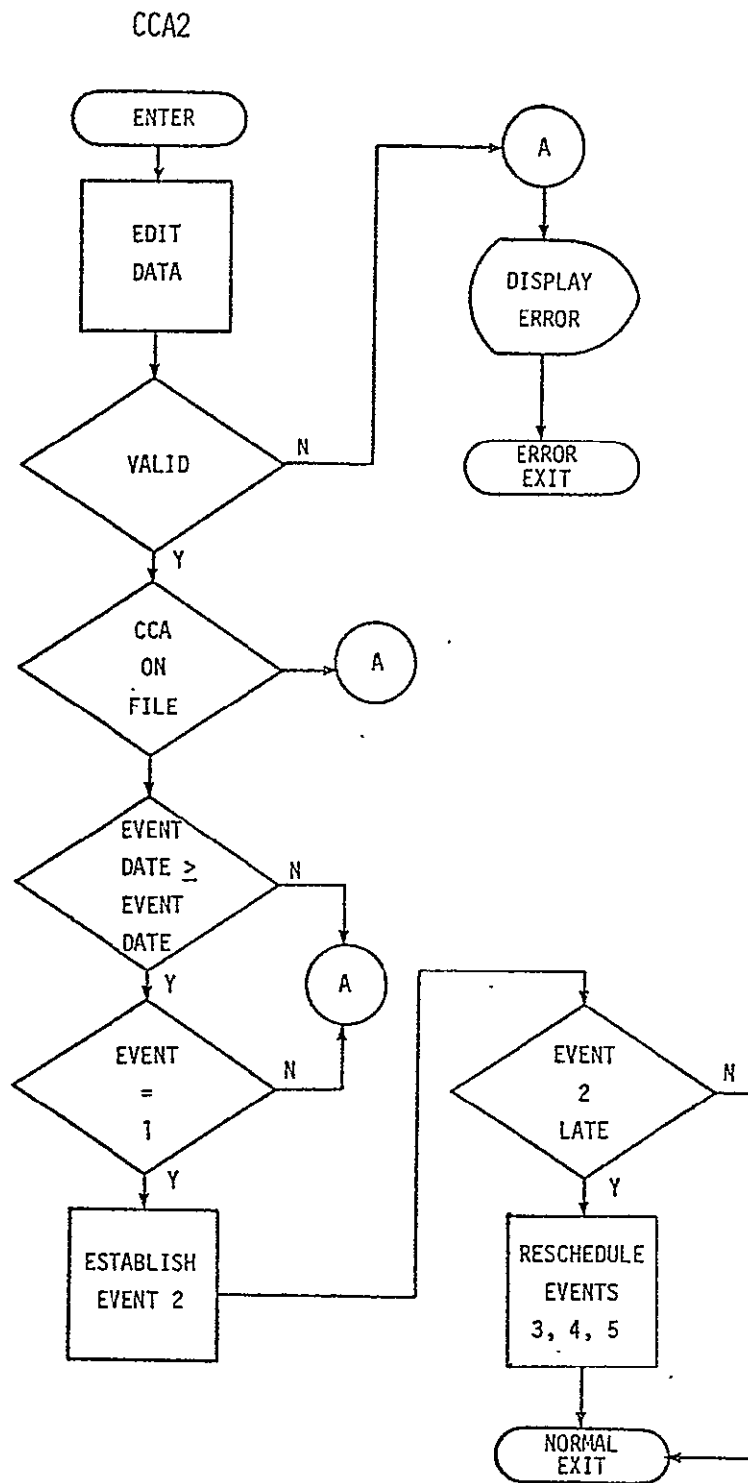
CCA REV. - Numeric or space

DATE RCVD - Valid date

PROPOSAL AMT. - Numeric (non space)

ECP NO. - A/N or space

Figure 4-41.- CCA Status Event2 template.



(a) CCA2 logic flow.  
Figure 4-41.- Concluded.

CCA STATUS EVENT3

PURPOSE: To establish CCA Event3 information in the IPMS Data Base.

Template ID (CCA3)

Program ID (CCA203)

CCA STATUS

CCA 3

TECHNICAL EVALUATION RECEIVED

CONTR NO: \_\_\_\_\_ SD \_ SCT. CCA: TYPE: \_\_\_\_ NO: \_\_\_\_\_ REV NO: \_\_

DATE RECEIVED \_\_ \_

ELEMENT

EDIT

CONTRACT NO.

A/N (non space)

CCA TYPE

Alpha (non space)

CCA NO.

Numeric or space

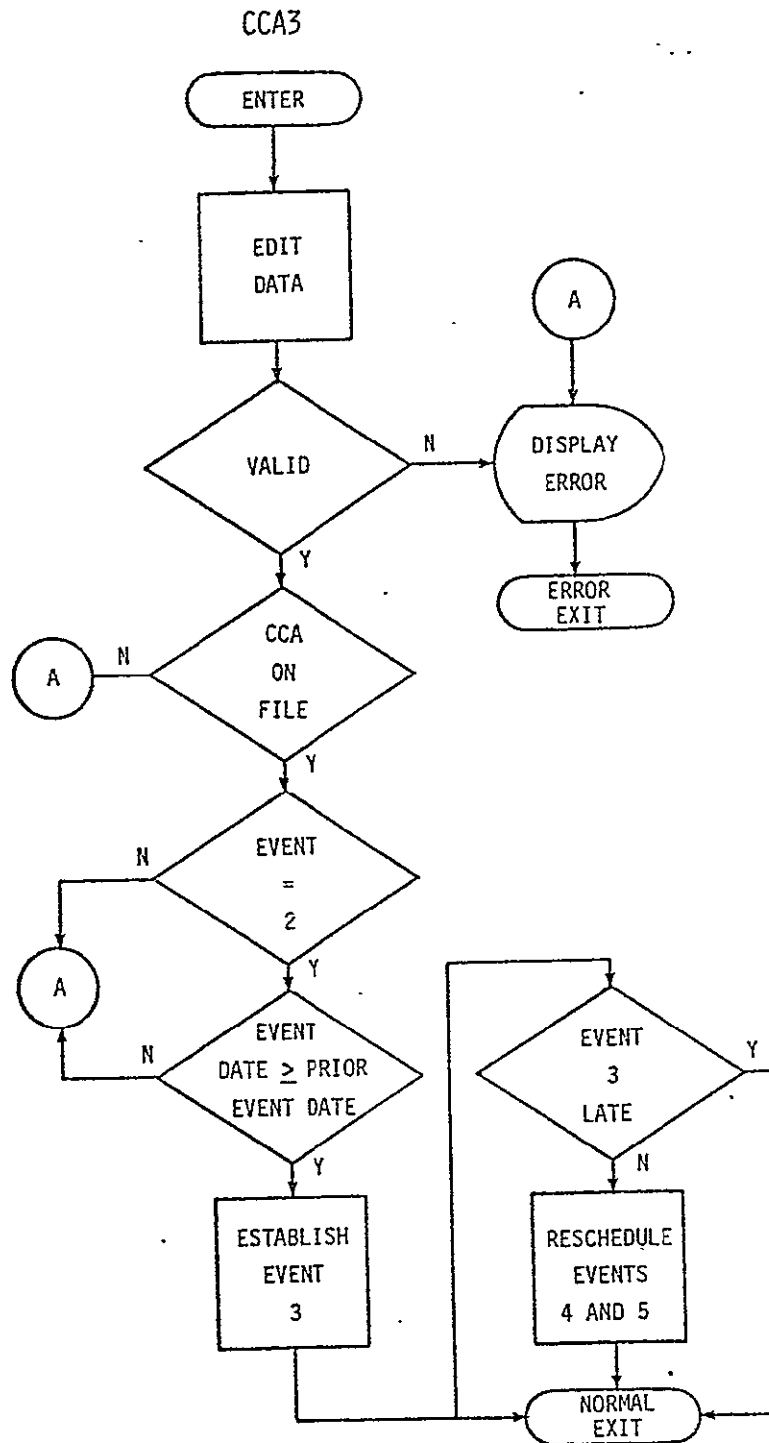
CCA REV.

Numeric or space

DATE RECEIVED

Numeric (non space)

Figure 4-42.- CCA Status Event3 template.



(a) CCA3 logic flow.  
Figure 4-42.- Concluded.



CCA STATUS EVENT4

PURPOSE: To establish CCA Event4 information in the IPMS Data Base.

Template ID (CCA4)

Program ID (CCA204)

CCA STATUS

CCA 4

NEGOTIATIONS COMPLETED

CONTR NO: \_\_\_\_\_ SCH: \_\_\_\_\_ CCA: TYPE: \_\_\_\_\_ NO. \_\_\_\_\_ REV NO: \_\_\_\_\_

DATE COMPL:    --  --  --   NEG/AMT:  --',--',--',--'+

ELEMENT

EDIT

CONTR. NO.

A/N (non-space)

CCA TYPE

Alpha (non space).

CCA NO.

Numeric or space

CCA REV.

Numeric or space

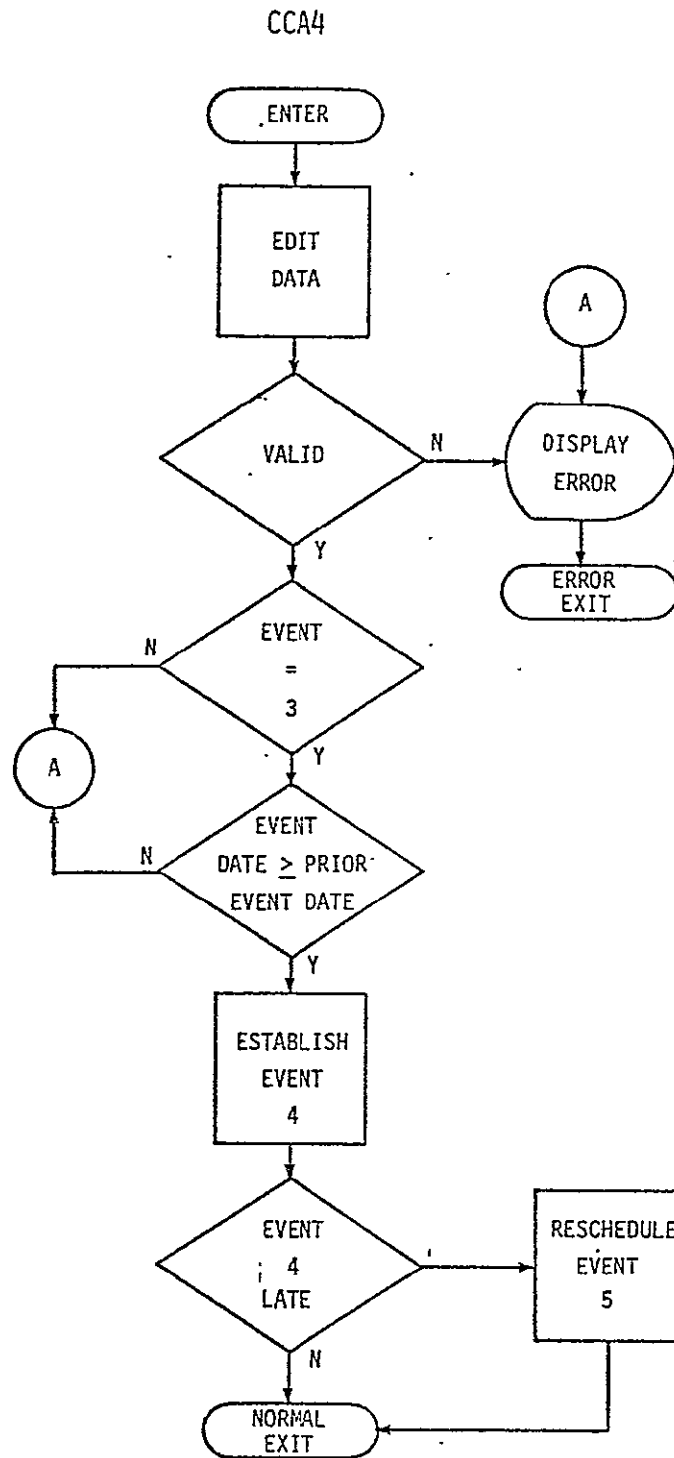
DATA COMPL.

Numeric (non space)

NEG/AMT

Numeric (non space)

Figure 4-43.- CCA Status Event4 template.



(a) CCA4 logic flow.  
Figure 4-43.- Concluded.

C-2

CCA STATUS EVENT5

PURPOSE: To establish CCA Event 5 information in the IPMS Data Base.

Template ID (CCA5)

Program ID (CCA205)

CCA STATUS

CCA 5

S/A DISTRIBUTED

CONTR NO: \_\_\_\_\_ SCH: \_ CCA: TYPE: \_\_\_ NO: \_\_\_\_\_ REV: NO: \_\_

S/A NO: \_\_ \_\_ \_\_ S/A DIST/DATE: \_\_ \_\_ \_\_

ELEMENT

EDIT

CONTR. NO.

A/N (non space)

CCA TYPE

Alpha (non space)

CCA NO.

Numeric or space

CCA REV.

Numeric or space

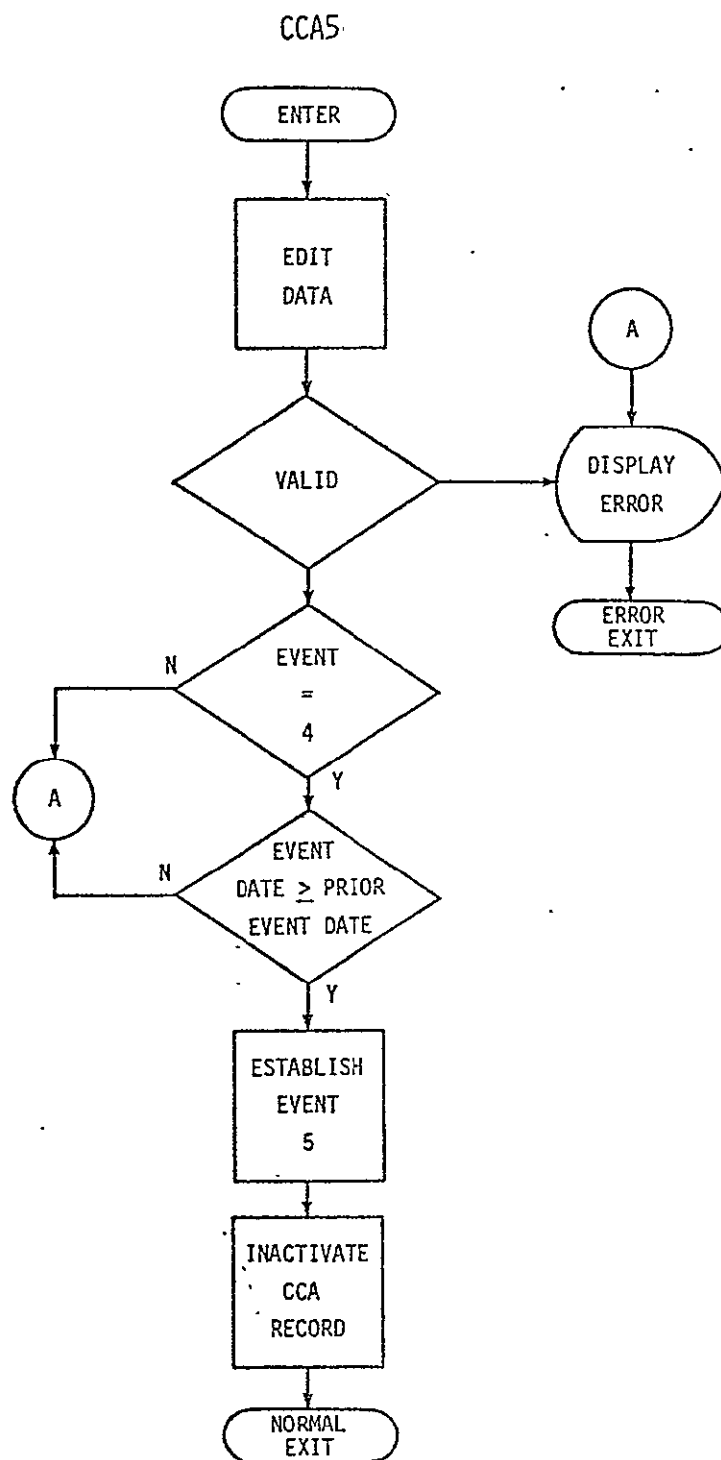
S/A NO.

Numeric (non space)

S/A DIST/DATE

Numeric (non space)

Figure 4-44.- CCA Status Event5 template.



(a) CCA5 logic flow.  
Figure 4-44.- Concluded.

PROGRAM CONTRACT STATUS ADDITIONAL CONTRACT DATA

PURPOSE: To update the Program contract status in the IPMS Data Base.

Template: ID (CCAADL)

Program ID (CCA206)

PROGRAM CONTRACT STATUS  
ADDITIONAL DATA

CCAADL

CONTR NO: \_\_\_\_\_ SCH: \_\_\_\_\_ FUNCTION \_\_\_\_\_

IDENTIFIED NOT AUTHORIZED ITEMIZATION:

(1) \_\_\_\_\_ EST/AMT: \_\_\_\_\_ +

(2) \_\_\_\_\_ EST/AMT: \_\_\_\_\_ +

(3) \_\_\_\_\_ EST/AMT: \_\_\_\_\_ +

(4) \_\_\_\_\_ EST/AMT: \_\_\_\_\_ +

(5) \_\_\_\_\_ EST/AMT: \_\_\_\_\_ +

(6) \_\_\_\_\_ EST/AMT: \_\_\_\_\_ +

COST INCURRED + FEE EARNED: \_\_\_\_\_ + DATE: \_\_\_\_\_

OVERRUN PROJ NOT PROPOSED: \_\_\_\_\_ +

COST EST AT COMPL: \_\_\_\_\_ + DATE: \_\_\_\_\_

UNDERRUN PROJ NOT PROPOSED: \_\_\_\_\_ - NON PRINT

ELEMENT

EDIT

CONTR. NO.

SCH

PROJ. DESC. 1,2,3,4,5,6

A/N or space

PROJ. AMT. 1,2,3,4,5,6

NUMERIC or blank

COST INCURRED & FEE

NUMERIC

COST INCURRED DATE

NUMERIC

OVERRUN PROJ. NOT PROPOSED

NUMERIC

COST ESTIMATE AT COMPLETION

NUMERIC

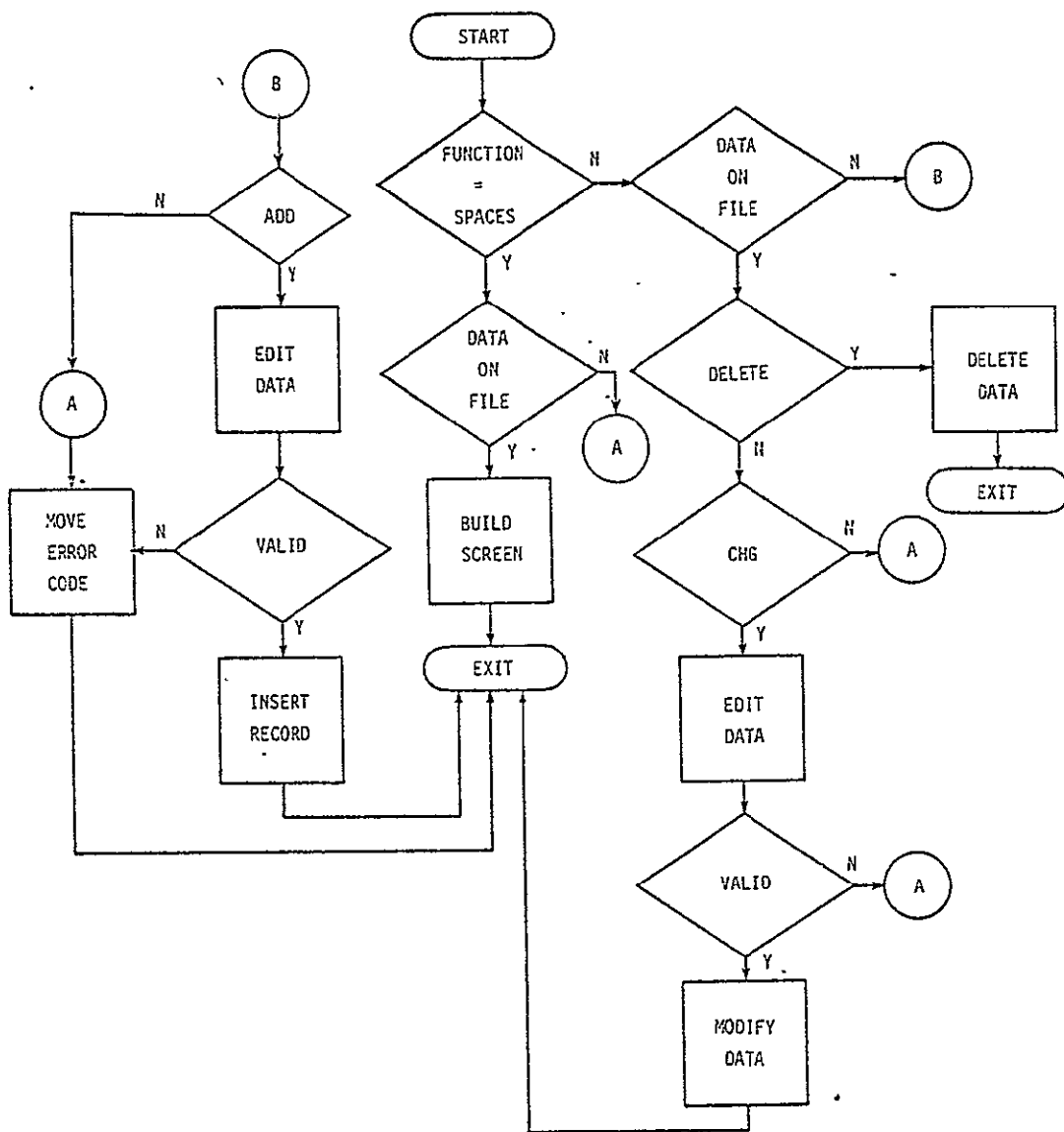
COST ESTIMATE DATE

NUMERIC

UNDERRUN PROJ. NOT PROPOSED

NUMERIC or blank

Figure 4-45.- Program Contract Status Additional Contract Data.



(a) CCAADL logic flow.  
Figure 4-45.- Concluded.

# CCA DISPLAY

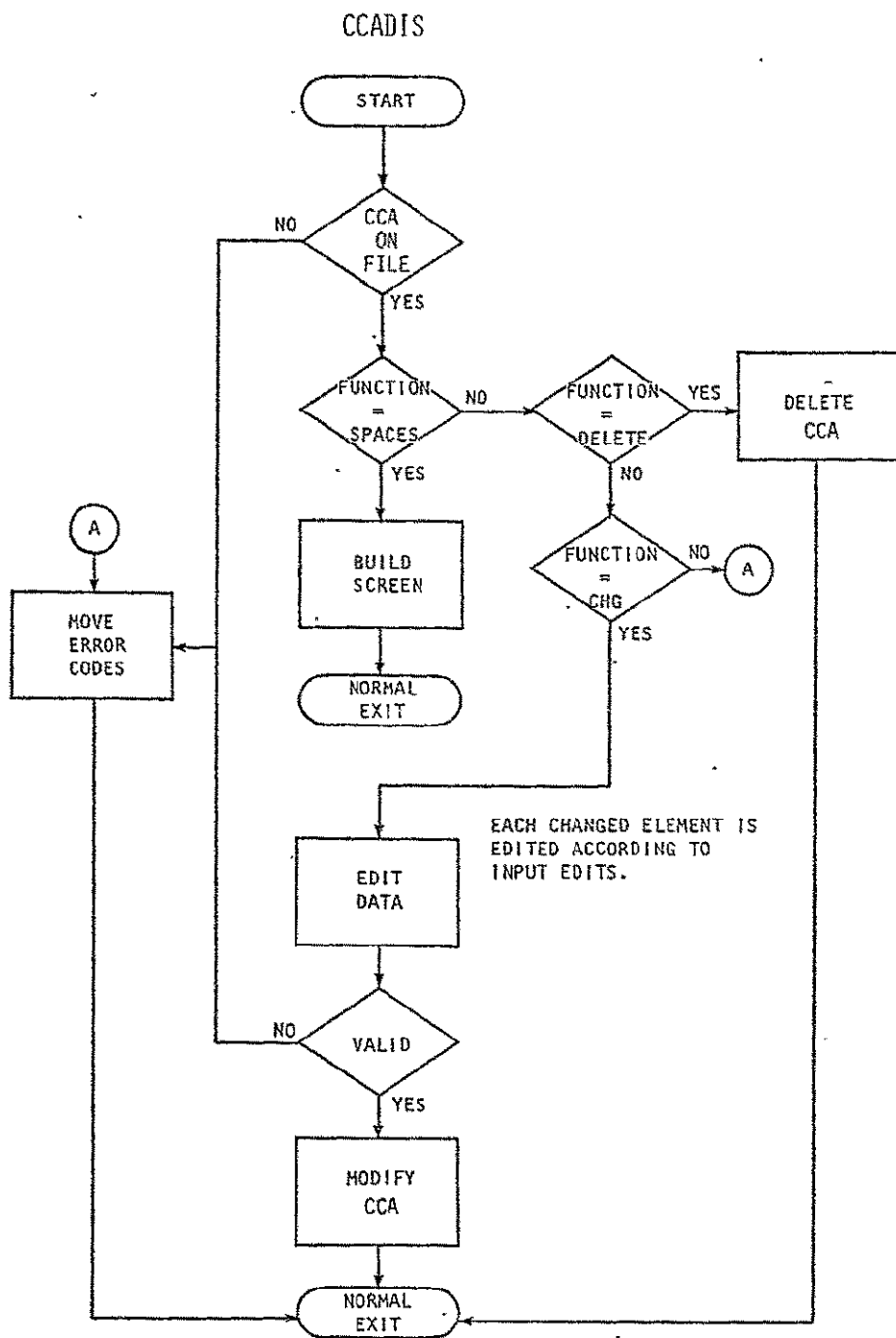
PURPOSE: To add, change, and delete CCA records in the IPMS CCA Data Base.

Template ID (CCADIS)

Program ID (CCA207)

CCA STATUS				CCADIS
CONTRACT NO.	SCH	CCA NO	FUNCTION	
ORG/BUYER		TECH/EVAL		
LST CHGD		TE MAIL CODE	TE EXT	
PACK NO		S/A NO		
CCBD NO		MILESTONE	REV FLAG	
ECP NO		INACTIVE DATE	STATUS IND	
DESCRIPTION				
1ST ENT	ISSUE	SCH PROP	EST	
EV1: DATE	DATE	DATE	AMT	
EV2: SCH	REV	ACT	PROP	
EV3: SCH	REV	ACT	AMT	
EV4: SCH	REV	ACT	NEGO	
EV5: SCH	REV	ACT	AMT	

Figure 4-46.- CCA Display template.



(a) CCADIS logic flow.  
Figure 4-46.- Concluded.



BUSINESS CODE TABLE

PURPOSE: To change, add, and delete records of the Business Code Table  
the Tables File.

Template ID (TBUSCD)

Program ID (TAB213)

BUSINESS CODE TABLE		TBUSCD
CONTRACTOR BUSINESS CODE	FUNCTION	-----
CONTRACTOR BUSINESS DESCRIPTION -----		

ELEMENT

EDIT

CONTRACTOR PLACEMENT CODE

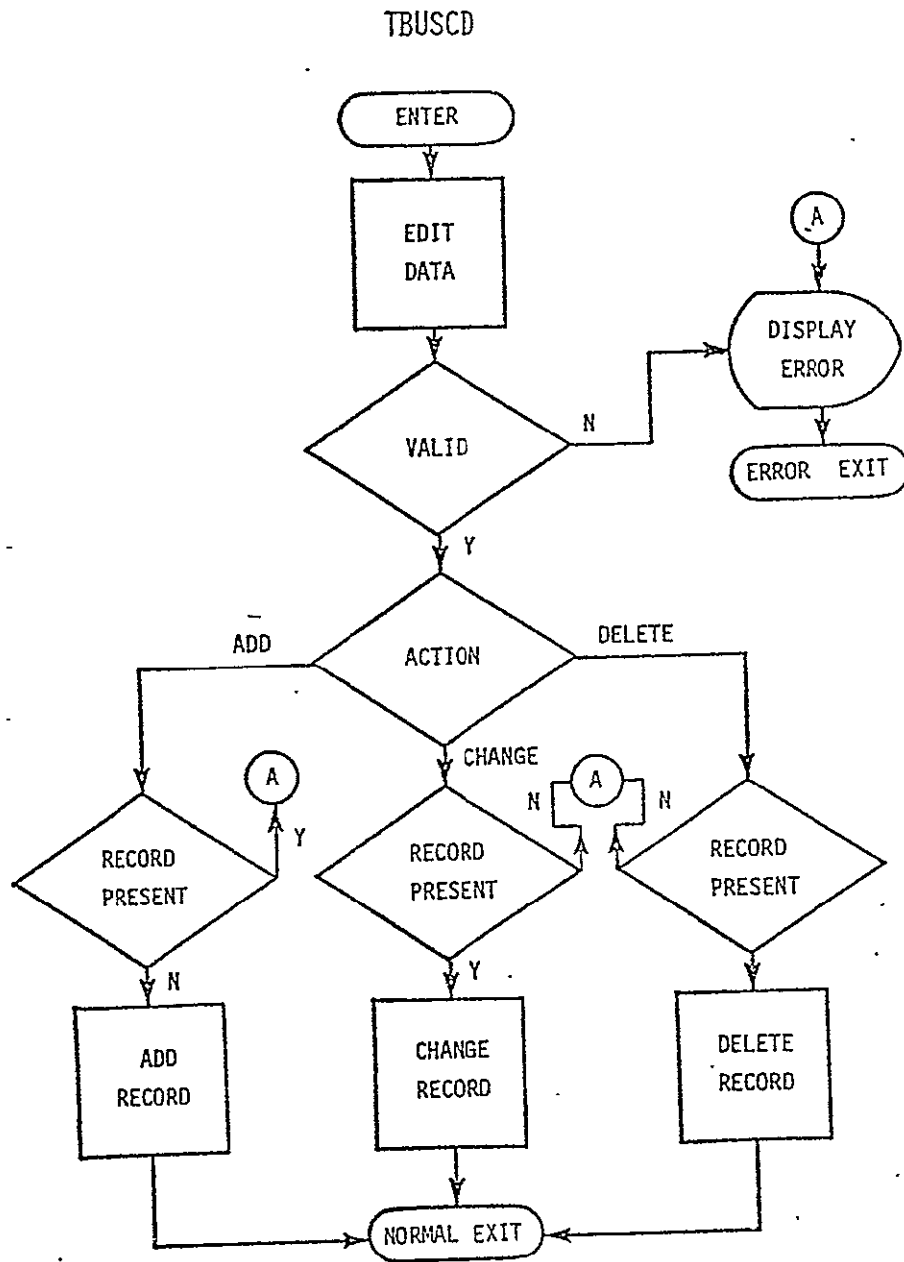
Alphabetic, not space

FUNCTION

CONTRACTOR PLACEMENT DESCRIPTION

A/N

Figure 4-47.- Business Code Table template.



(a) TBUSCD logic flow.  
Figure 4-47.- Concluded.

ORGANIZATION TABLE

PURPOSE: To change, add, and delete records of the Organization Table in the Table File.

Template ID (TORG)

Program ID (TAB2Q5)

----- ORGANIZATION TABLE TORG  
ORGANIZATION CODE \_\_\_\_ BUYER CODE \_\_ FUNCTION -----  
ORGANIZATION NAME -----  
BUYER NAME ----- BUYER EXTENSION \_\_\_\_

ELEMENT

EDIT

ORG CODE

DIV (alphabetic; not space); BR (space or numeric); SEC (space or numeric)

BUYER CODE

Space or numeric

FUNCTION

ORG NAME

Div., Branch, or Section name

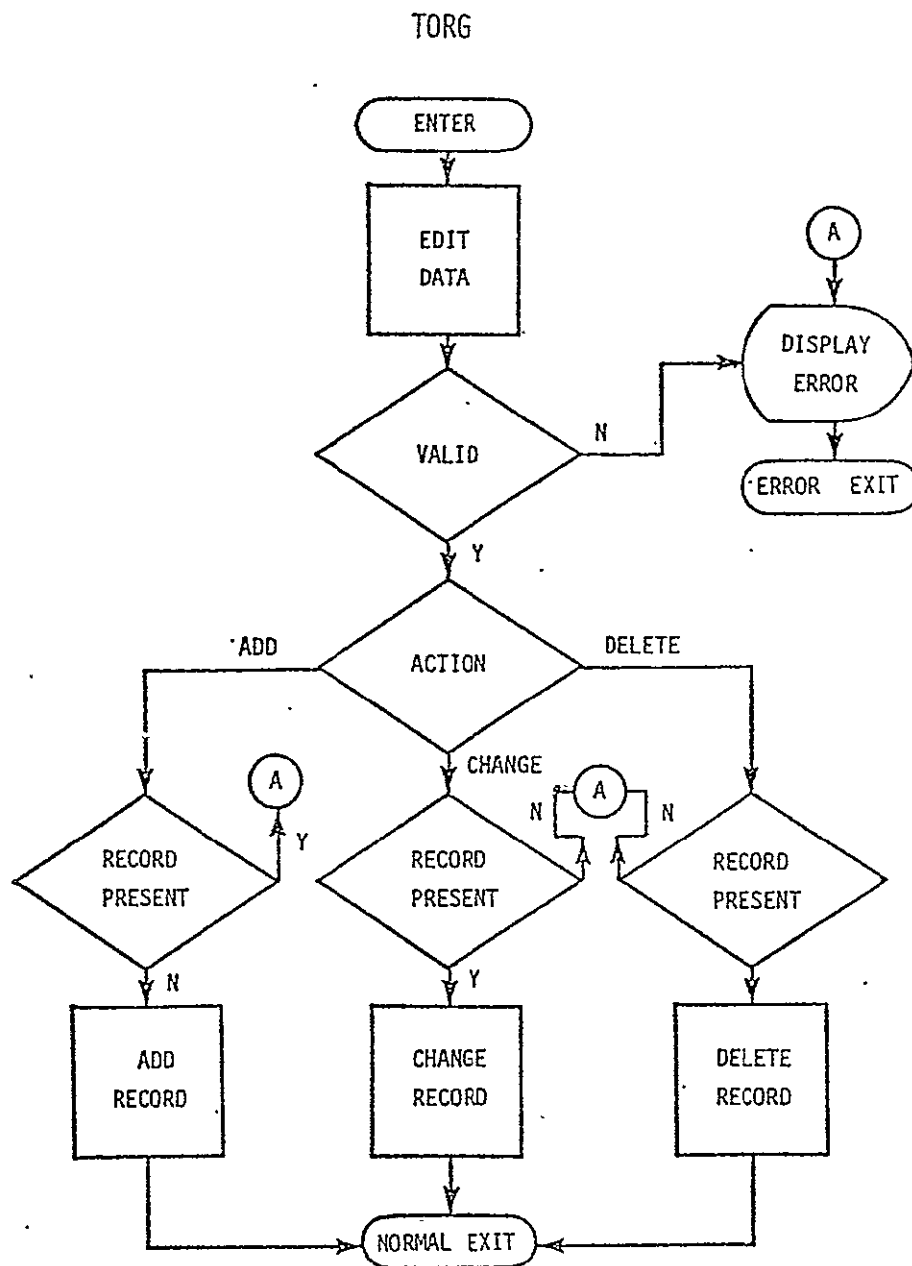
BUYER NAME

Space if buyer code is space; non-space if buyer code numeric

BUYER EXTENSION

Numeric or space

Figure 4-48.- Organization Table template.



(a) TORG logic flow.  
Figure 4-48.- Concluded.

TYPE CONTRACT TABLE

PURPOSE: To change, add, and delete records of the Type Contract Table of the Tables File.

Template ID (TYPE)

Program ID (TAB208)

TYPE OF CONTRACT TABLE

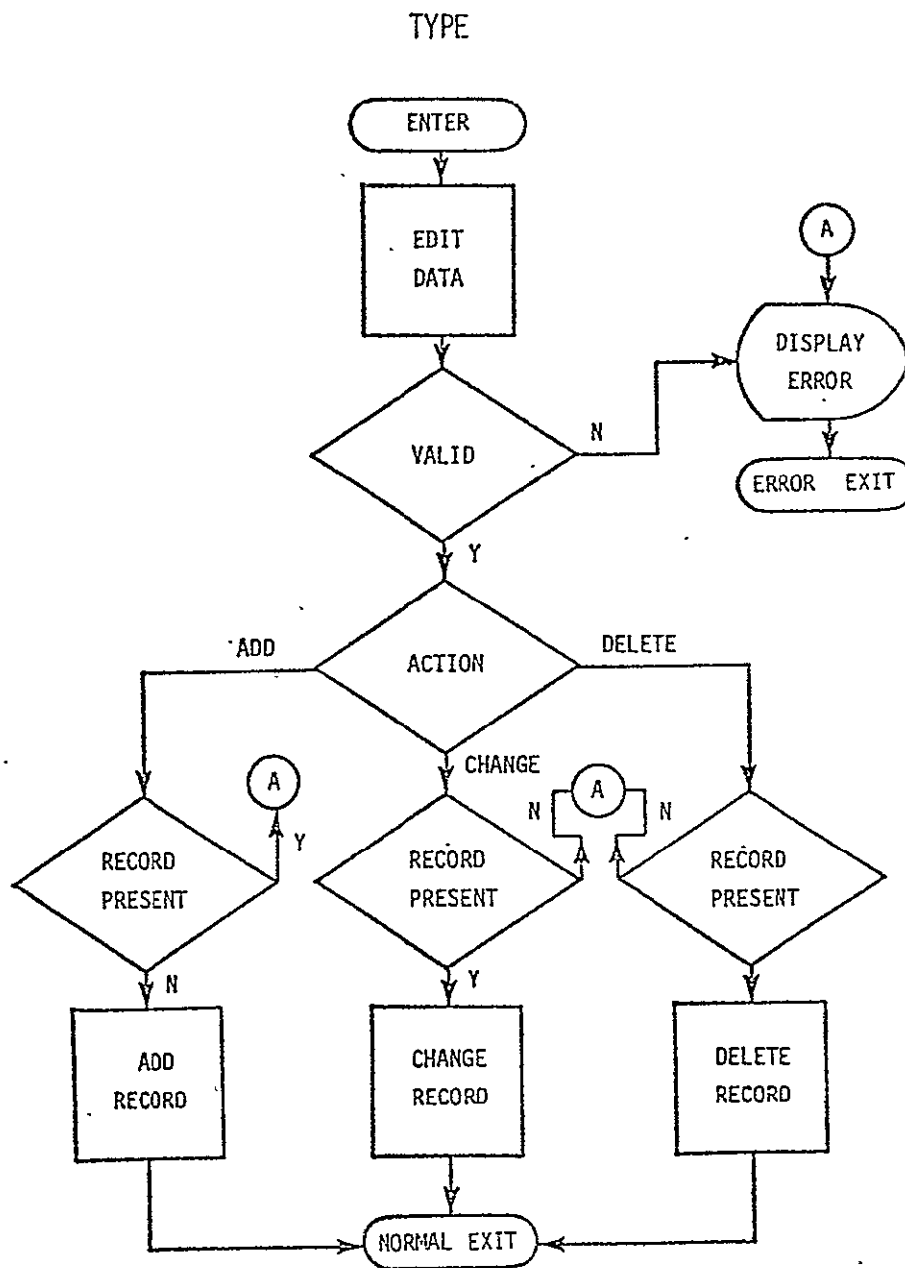
-----  
FACS CONTRACT CODE \_\_ FUNCTION -----  
TYPE CONTRACT ----- PRICE/FEE REQUIRED ---  
TYPE OF CONTRACT DESCRIPTION -----

ELEMENT

EDIT

TYPE CODE	Alphabetic, non-blank
FUNCTION	.
FACS CONTRACT CODE	Numeric with leading spaces (replace leading spaces with zeros and test for numeric)
TYPE OF CONTRACT DESCRIPTION	A/N
PRICE/FEE REQUIRED	Non blank

Figure 4-49.- Type Contract Table template.



(a) TYPE logic flow.  
Figure 4-49.- Concluded.

CCA TYPE TABLE

PURPOSE: To add, change and delete CCA type in the tables file.

Template ID (TCCA)

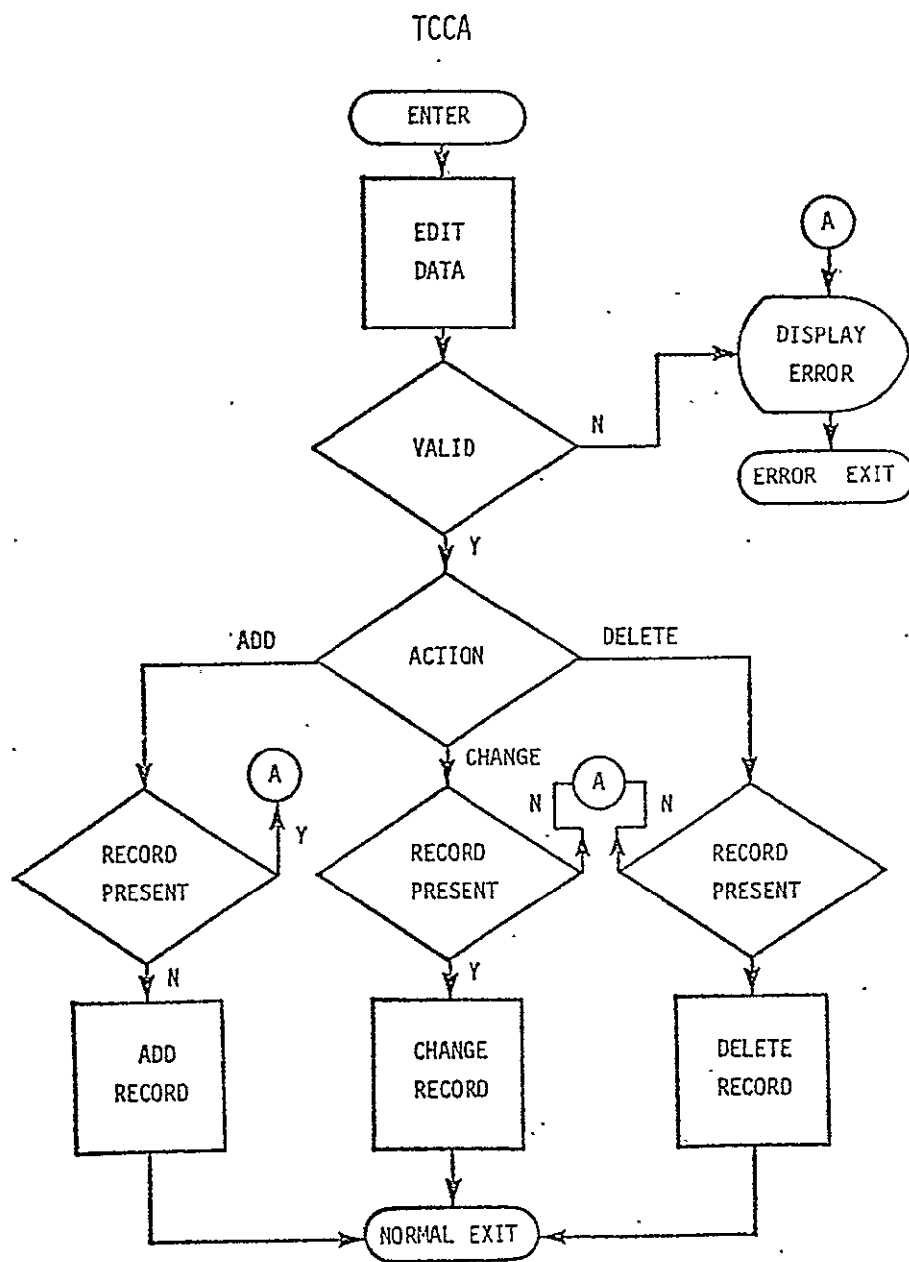
Program ID (TAB211)

CCA TYPE TABLE

CCA TYPE \_\_\_\_ FUNCTION \_\_\_\_\_

DESCRIPTION \_\_\_\_\_

Figure 4-50.- CCA Type Table template.



(a) TCCA logic flow.  
Figure 4-50.- Concluded.



CONTRACT MOD TYPES TABLE

PURPOSE: To add, change, and delete Contract Mod Types of the Contract Mod Types Table in the Tables File.

TEMPLATE ID (TMODS)

PROGRAM ID (TAB210)

CONTRACT MOD TYPE TABLE

TMODS

MOD TYPE \_      FUNCTION \_\_\_\_\_

DESCRIPTION \_\_\_\_\_

KIND ACTION \_\_\_\_\_

ELEMENT

EDIT

MOD TYPE

Alphabetic

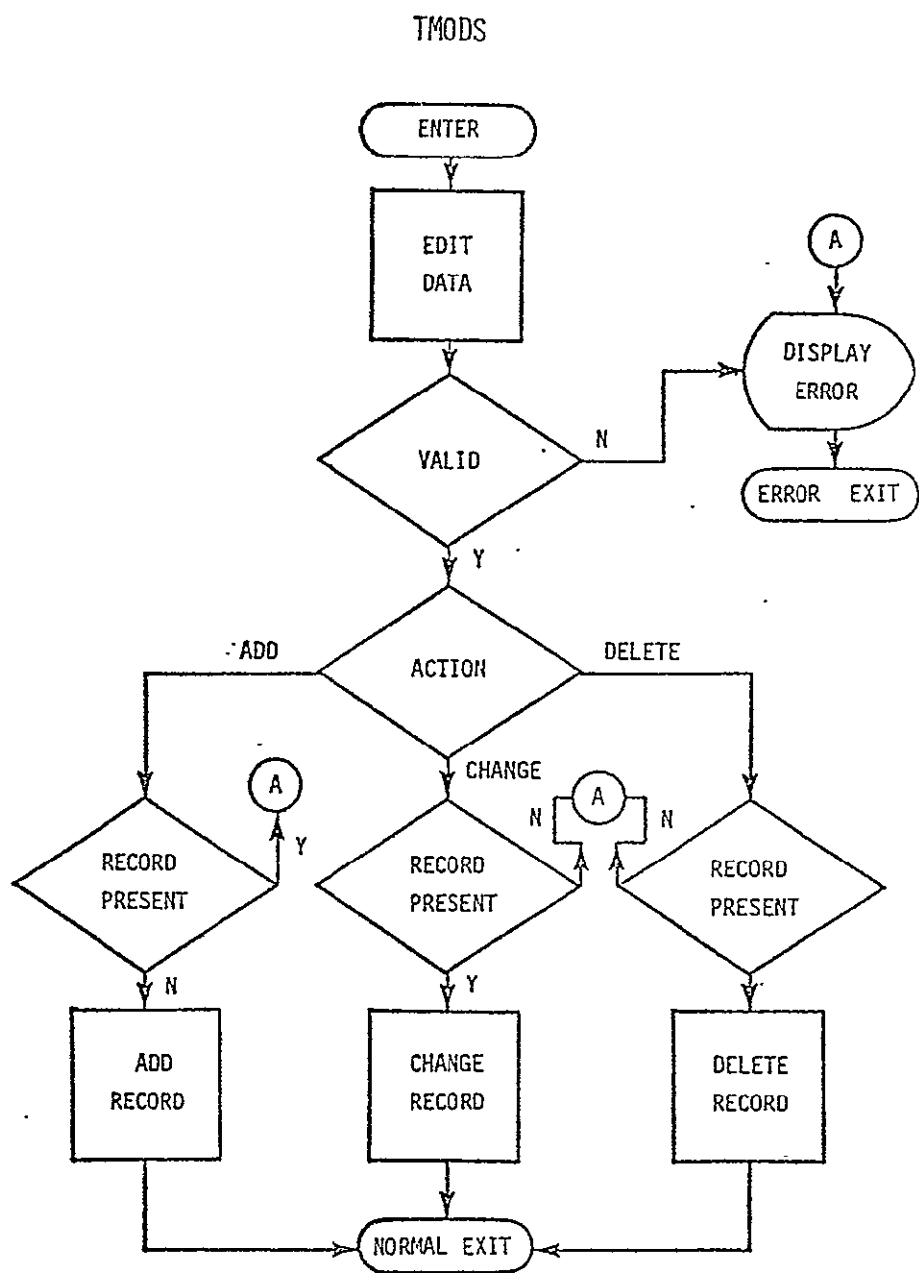
FUNCTION

No Edit

DESCRIPTION

Non Blank

Figure 4-51.- Contract Mod Types Table template.



(a) TMODES logic flow.  
Figure 4-51.- Concluded.

CONTRACTOR NAME CODES TABLE

PURPOSE: To add, change, and delete records of the Contractor Name Codes Table in the Tables File.

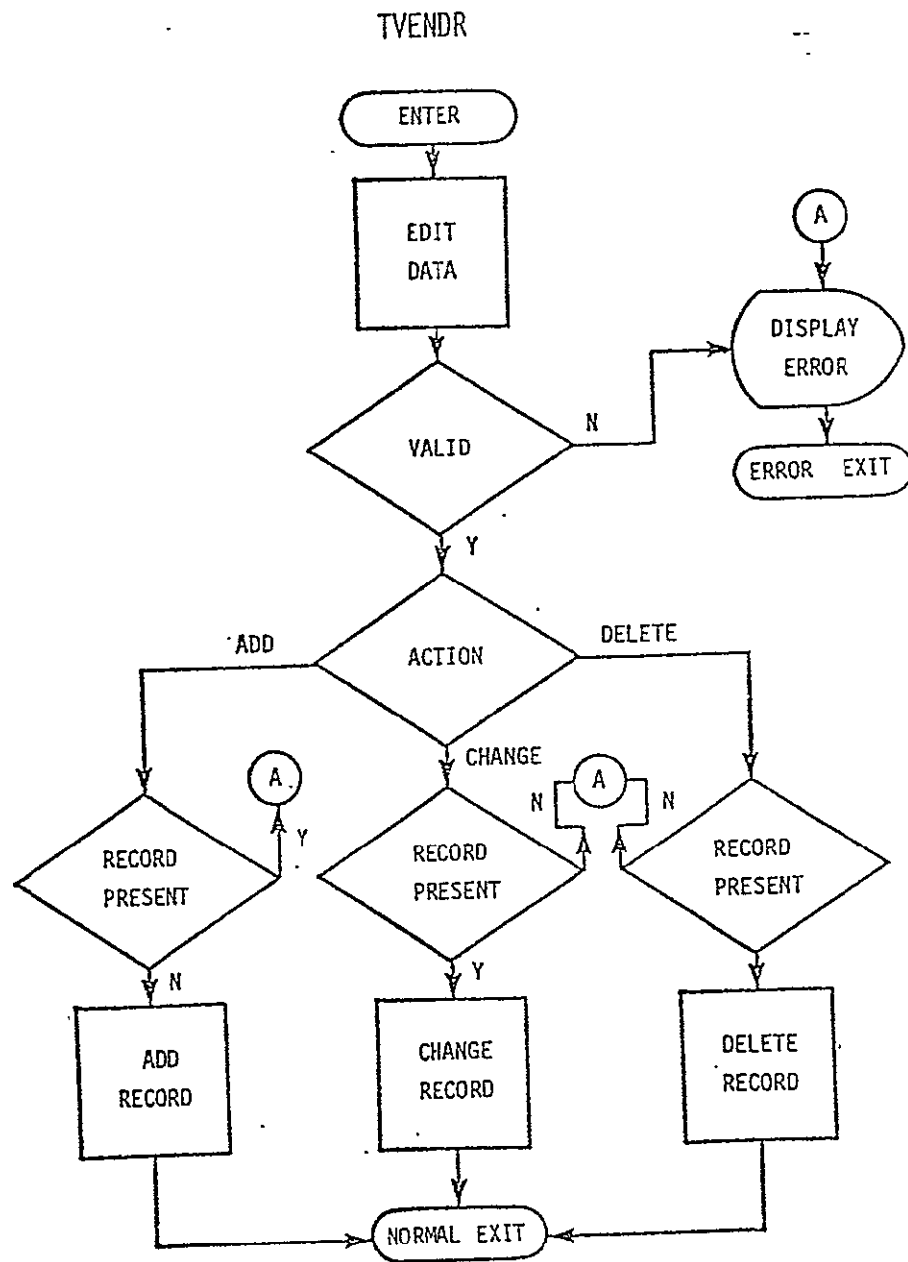
TEMPLATE ID (TVENDR)

PROGRAM ID (TAB203)

VENDOR TABLE		TVENDR
NAME CODE		FUNCTION
CONTRACTOR NAME		CONTRACTOR DIVISION
CONTRACTOR CITY		CONTRACTOR STATE
CONTRACTOR BUSINESS CODE		

<u>ELEMENT</u>	<u>EDIT</u>
NAME CODE	Numeric, non-blank
FUNCTION	
CONTRACTOR BUSINESS CODE	Alpha
CONTRACTOR NAME	A/N
CONTRACTOR DIVISION	A/N
CONTRACTOR CITY	Alpha
CONTRACTOR STATE	Alpha

Figure 4-52.- Contractor Name Codes Table template.



(a) TVENDR logic flow.  
Figure 4-52.- Concluded.

### SCHEDULE TABLE

PURPOSE: To change, add, and delete records of the Schedule Table in the Tables File.

TEMPLATE ID (TSCHED)

PROGRAM ID (TAB207)

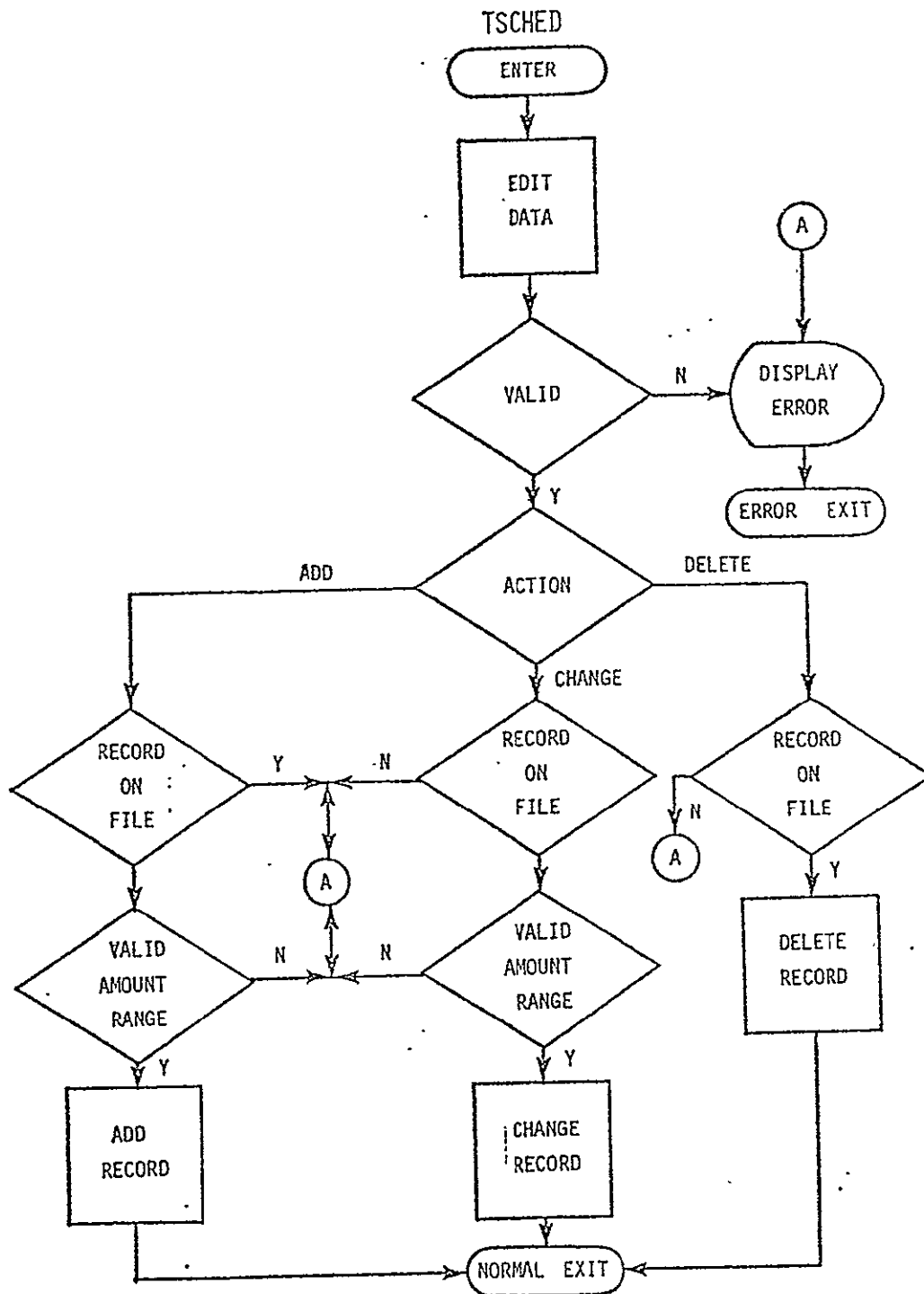
SCHEDULE TABLE		TSCHED
PR CLASS CODE_	SCHEDULE HIGH AMOUNT_	FUNCTION_
SCHEDULE LOW AMOUNT_	SCHEDULE 1 TO 2_	SCHEDULE 2 TO 3_
SCHEDULE 3 TO 4_	SCHEDULE 4 TO 5_	SCHEDULE 6 TO 6_
SCHEDULE DESCRIPTION_		

### ELEMENT

### EDIT

CLASS CODE	Alphabetic, non-blank
FUNCTION	ADD, CHG, DELETE, or BLANK
SCHED 1 TO 2	Numeric
SCHED 2 TO 3	Numeric
SCHED 3 TO 4	Numeric
SCHED 4 TO 5	Numeric
SCHED 5 TO 6	Numeric
SCHED LOW AMT.	Numeric whole dollars
SCHED HI AMT.	Numeric whole dollars, non-blank
SCHED DESCR.	A/N

Figure 4-53.- Schedule Table template.



(a) TSCHED logic flow  
Figure 4-53.- Concluded.

RANGE AMOUNTS TABLE

PURPOSE: To change; add and delete records of the Scheduled Amounts Table  
in the Tables File.

TEMPLATE ID (TAMTS)

PROGRAM ID (TAB212)

RANGE AMOUNT TABLE

TAMTS

HIGH \_\_\_\_\_

FUNCTION \_\_\_\_\_

LOW \_\_\_\_\_

ELEMENT

EDIT

SCHEDULE LOW AMOUNT

Numeric (whole dollars)

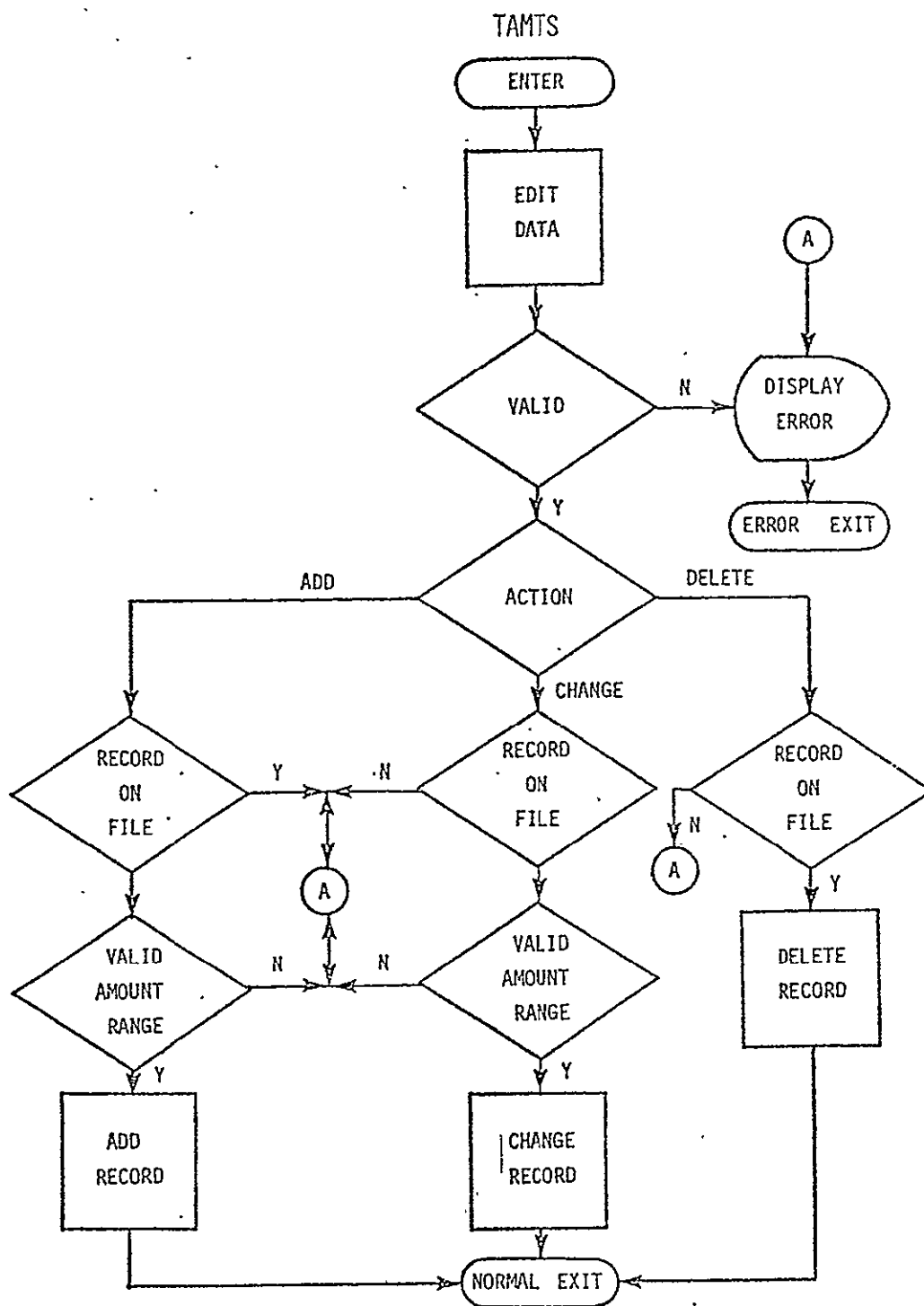
SCHEDULE HIGH AMOUNT

Numeric (whole dollars)

FUNCTION

No edit

Figure 4-54.- Range Amounts Table template.



(a) TAMTS logic flow.  
Figure 4-54.- Concluded.



CONTRACT PREFIX TABLE

PURPOSE: To add, change, and delete records of the Contract Prefix Table  
in the Tables File.

TEMPLATE ID (TPREFX)

PROGRAM ID (TAB209)

-----

CONTRACT PREFIX TABLE

TPREFX

CONTRACT PREFIX -----

FUNCTION -----

CONVERSION PREFIX --

ELEMENT

EDIT

CONTRACT PREFIX

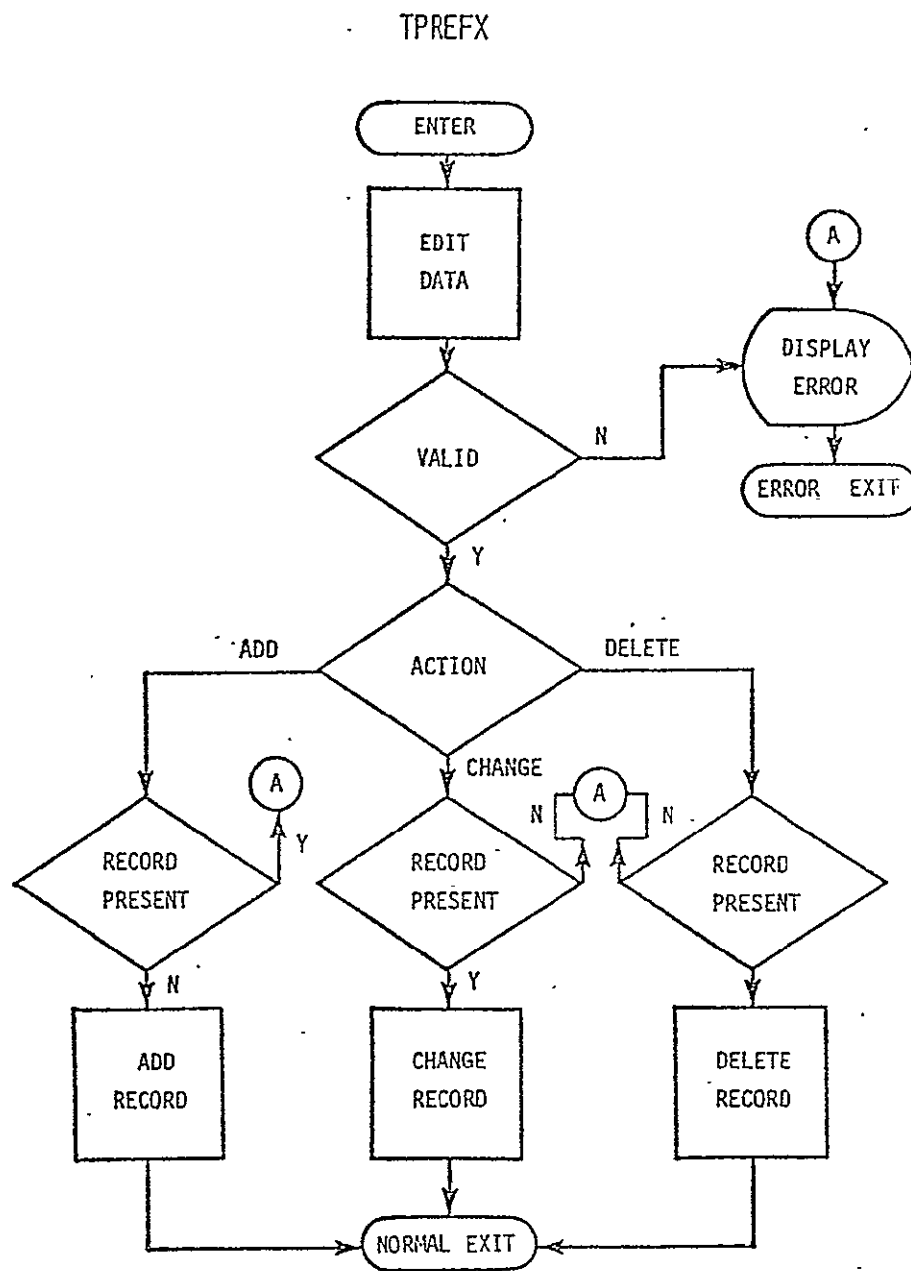
A/N

FUNCTION

CONVERSION PREFIX

A/N, Non-blank

Figure 4-55.- Contract Prefix Table template.



(a) TPREFIX logic flow.  
Figure 4-55.- Concluded.

END ITEM TABLE

PURPOSE: To add, change, and delete records of the End Item Table in the Tables File.

TEMPLATE ID (TITEM)

PROGRAM ID (TAB205)

-----

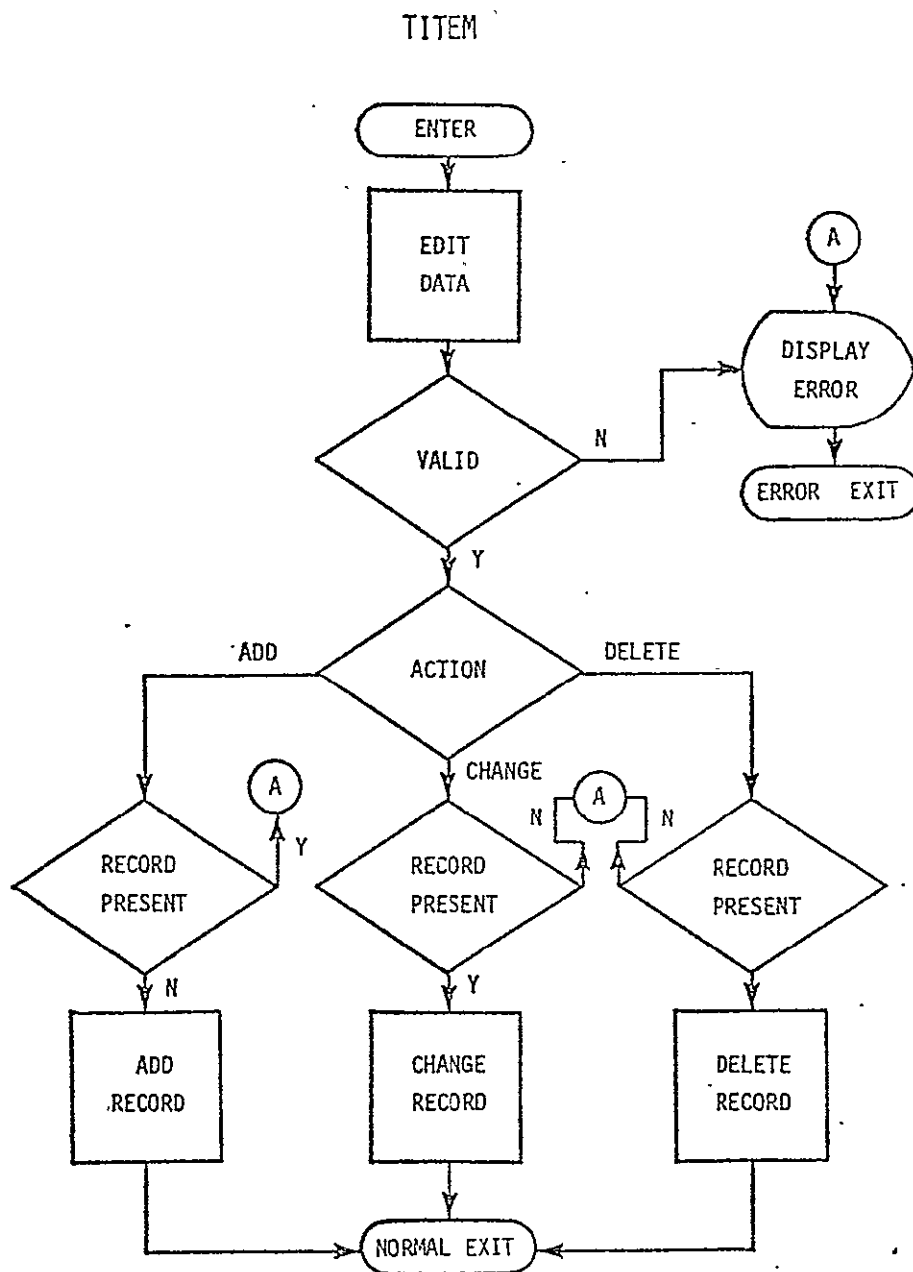
	END ITEM TABLE	TITEM
END ITEM CODE	-----	END ITEM SECTION
END ITEM SECTION DESCRIPTION -----		
END ITEM DESCRIPTION -----		

ELEMENT

EDIT

END ITEM SECTION	Numeric, non-blank
END ITEM CODE	A/N
FUNCTION	
END ITEM SECTION DESCRIPTION	A/N
END ITEM DESCRIPTION	A/N

Figure 4-56.- End-Item Table template.



(a) TITEM logic flow.  
Figure 4-56.- Concluded.

REPORT TITLES TABLE

PURPOSE: To change, add, and delete records of the Report Titles Table in Tables File.

TEMPLATE ID (TITLES)

PROGRAM ID (TAB204)

REPORT TITLES

TITLES

REPORT NUMBER \_\_\_

FUNCTION \_\_\_\_\_

REPORT TYPE \_\_\_\_

REPORT NAME \_\_\_\_\_  
\_\_\_\_\_

OD	DV	BR	SE	SB	CONT	PKG	PROG	PROJ
-	-	-	-	-	-	-	-	-

ELEMENT

EDIT

REPORT CODE

Numeric, non-blank

ACTION CODE

A, C, D, or I

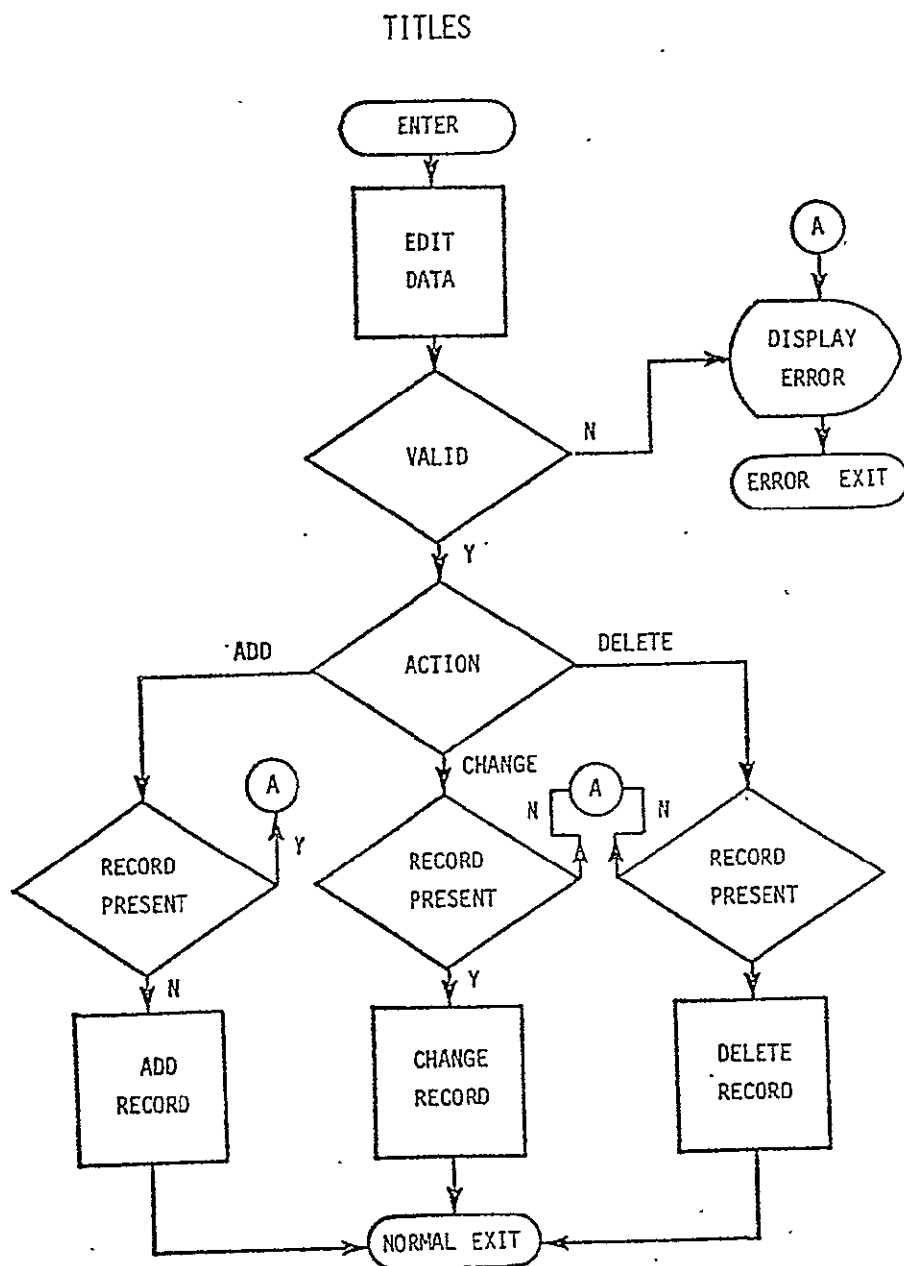
REPORT TYPE

Alphabetic

REPORT NAME

A/N

Figure 4-57.- Report Titles Table template.



(a) TITLES logic flow.  
Figure 4-57.- Concluded.

# Procurement Placement Code Table

Purpose: To add, change, delete, or display records of the PPC table in the tables file.

```

      TEMPLATE ID (TPPC)                                PROGRAM ID (TAB202)

-----
      PROCUREMENT PLACEMENT CODE TABLE                                TPPC

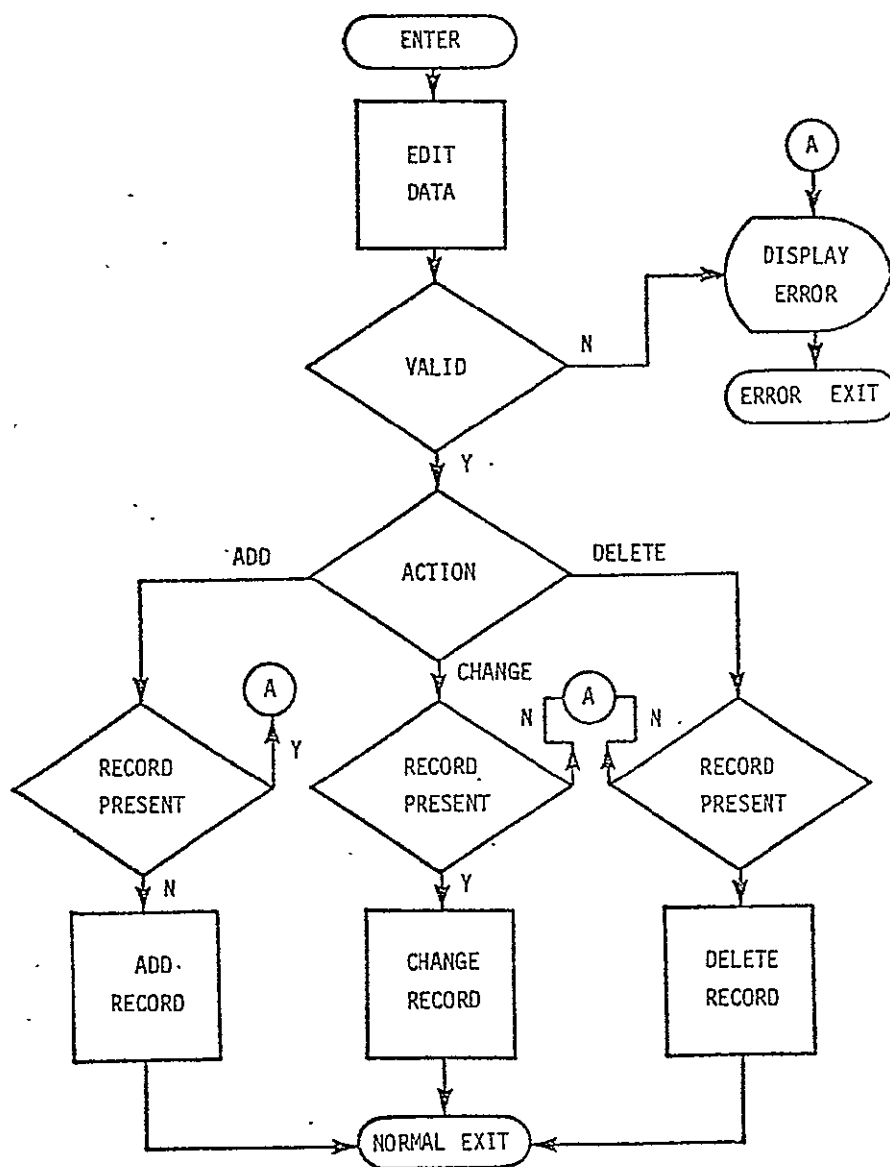
      PPC --                                REPORTABLE -                                FUNCTION -----
BUSINESS CODE -      TYPE PROCUREMENT -----      NEG AUTH CODE --
      NEG AUTH DESC -----
-----
TYPE CONTRACT -- -- -----
EXT COMP - - - - -      SYNOPSISIZED - - - - -      NEW TECH - - - - -
GEO DIST - - - - -      COST PERF - - - - -      PROP SPC HDW - - - - -
SUP SER CONTR - - - - -      CONTR ADMIN - - - - -      SM BUS - - - - -      AGEN ORD - - - - -
KIND ACT -- -- -- -- --      STAT REQ - - - - -      PRIN INV - - - - -
TRAD DATA NO - % -      CONSLT CONTR - - - - -      WOMEN OWN - - - - -      BUY AMER % - - - - -
TYPE CONTRACTOR -- -- -- -- --      COST ACCTG - - - - -
A. A. P. - - - - -      PREV A. A. P. - - - - -      LABOR SURPLUS - - - - -
REASON NOT SM.BUS -- -- -- -- --

ELEMENT                                EDIT

PPC                                Non blank
Reportable                        No edit
Function                          Blank, add, chg, delete
Business code                      Non blank
Type procurement                  --
Neg auth code                     --
Neg auth desc                     --
All other elements                 No edits

```

Figure 4-58.- Procurement Placement Table template.



(a) TPPC logic flow.  
Figure 4-58.- Concluded.



### Report Distribution Table

Purpose: To change, add, delete, or display records of the RDT in the tables file.

TEMPLATE ID (TRDT)				PROGRAM ID (TAB201)			
REPORT DISTRIBUTION TABLE							TRDT.
TYPE ----	FREQ -	USER -----	BOOK -- -	FUNCTION -----			
		MAIL CODE ----	BLDG ----	ROOM ----			
RPT NO	OD	ORG	BUYER	CONTRACT	PKG NO	PROGRAM	PROJECT
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----
---	--	----	--	-----	-----	-----	-----

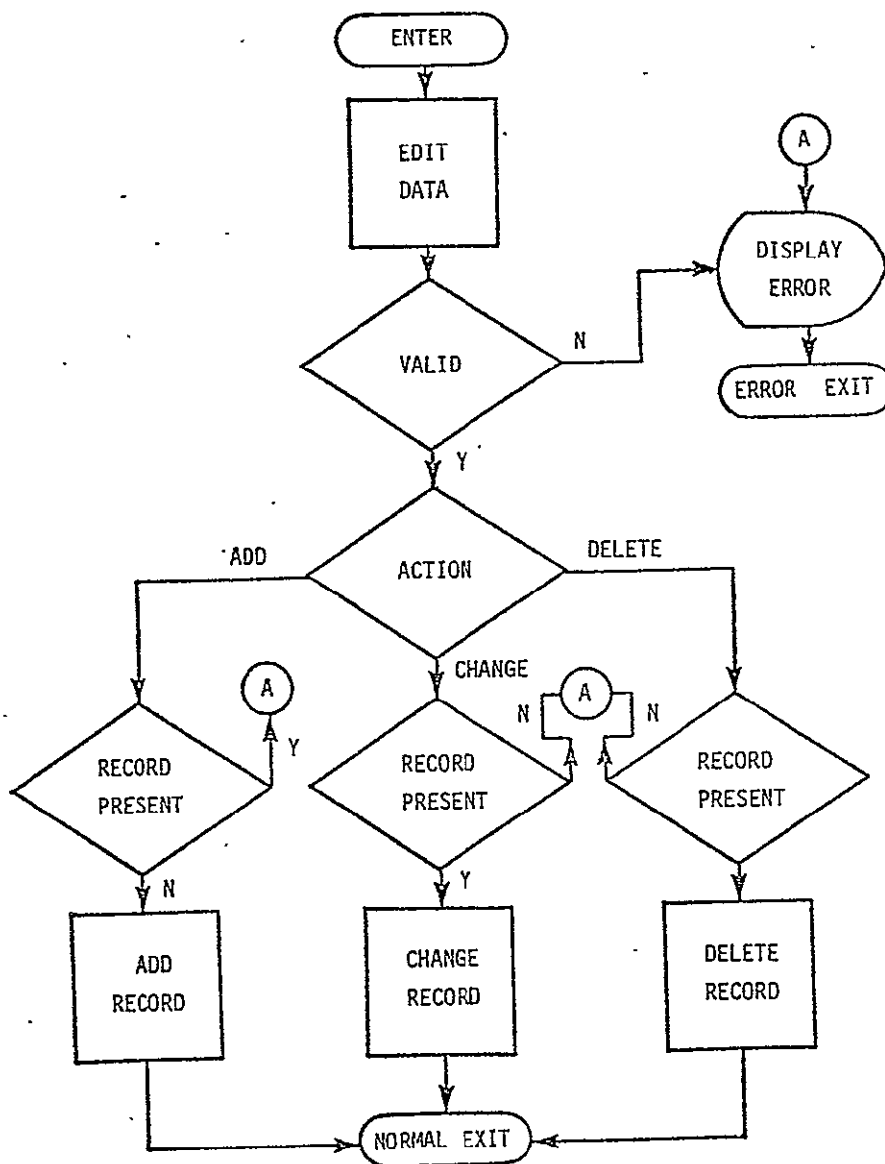
#### ELEMENT

TYPE, FREQ, USER, Book  
mail code, bldg, and room  
Function  
All other elements

#### EDIT

Non blank  
Blank, add, CHG, delete  
Table (Titles)

Figure 4-59.- Report Distribution Table template.



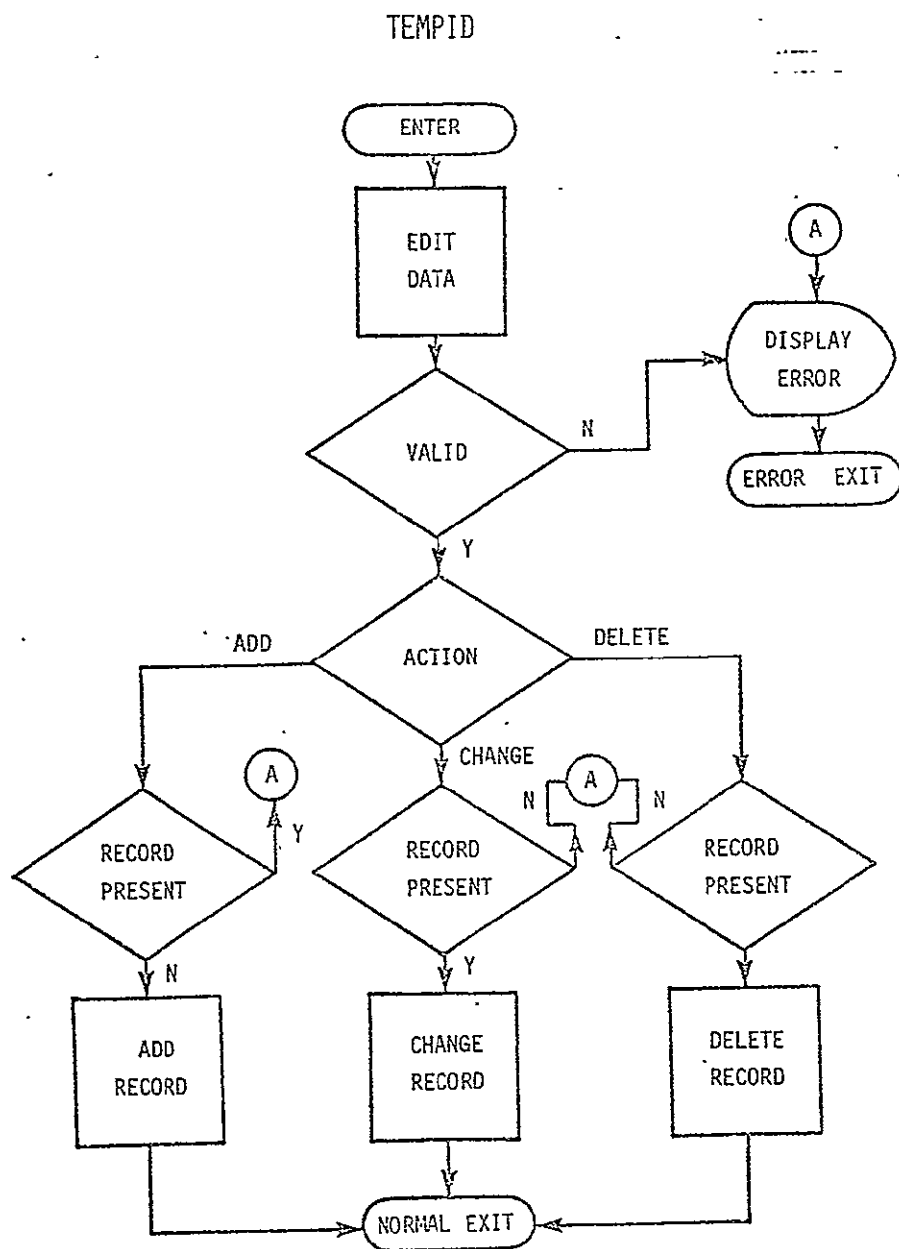
(a) TRDT logic flow.  
Figure 4-59.- Concluded.

TEMPLATE ID TABLE

Purpose: To add, change, and delete template ID in the tables file.

TEMPLATE ID (TEMPID)	PROGRAM ID (TAB214)
TEMPLATE DESCRIPTION TABLE	
TEMPLATE ID -----	FUNCTION -----
DESCRIPTION -----	

Figure 4-60.- Template ID template.



(a.) TEMPID logic flow.  
Figure 4-60.- Concluded.

# Division Request Status

Purpose: To display the status of the requested division request number.

TEMPLATE ID (QDR)

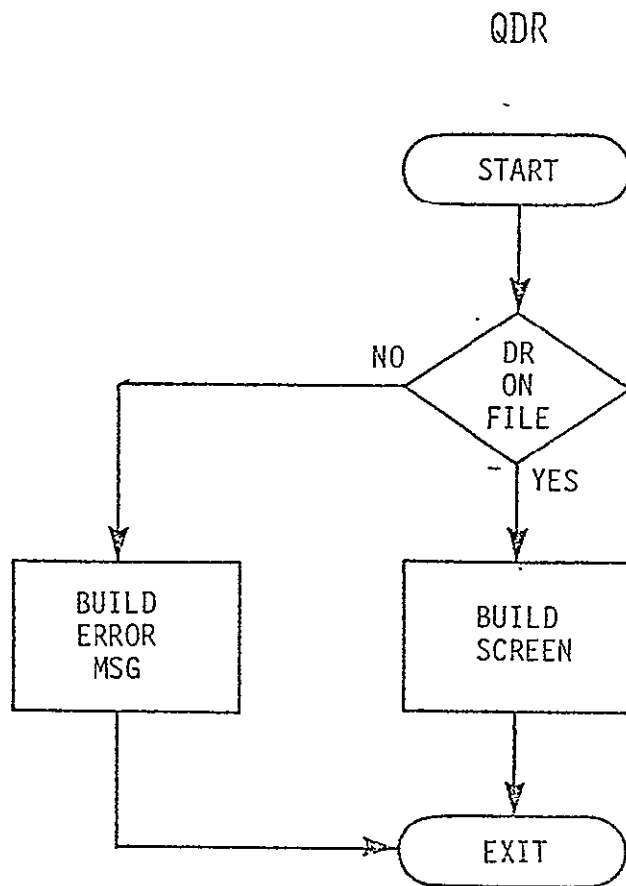
PROGRAM ID (INQ201)

```

-----
DIVISION REQUEST STATUS                                QDR
DR NO  -- ----- INITIATOR -----
PR NO  ----- DESCRIPTION -----
TOT AMT ---, ---, --- SOL/UNSOL NO ----- ORG/BUYER ---- --
COMMIT ---, ---, --- BUYER NAME ----- EXT ----
OBL AMT ---, ---, --- CONTRACT NO ----- MOD/TYPE --- - MAX STD ---
PWC ----- RO -- OBJ CLS -- -- PERF ORG ---- PY -- FS -
1ST ENT -- -- -- SOLICIT RESPONSE TECH EV- NEGOTIA CONTRACT
LST CHGD -- -- -- ISSUED RECEIVED ALUATION COMPLETE DISTRIB.
PR DATE -- -- -- (2) (3) (4) (5) (6) -----
REQD DATE -- -- -- SCHED -- -- -- -- -- -- -- -- --
PROC DATE -- -- -- REVSD -- -- -- -- -- -- -- -- --
TO BUYER -- -- -- ACTUAL -- -- -- -- -- -- -- -- --
PRIC REQ -- -- -- INACT -- -- -- QTR - LINE CNT --
PRIC RCV -- -- -- CANCEL - MIL - CLASS -- PLAN PR - PPC --
PRIC COMMENTS -----

```

Figure 4-61.- Division Request Status template.



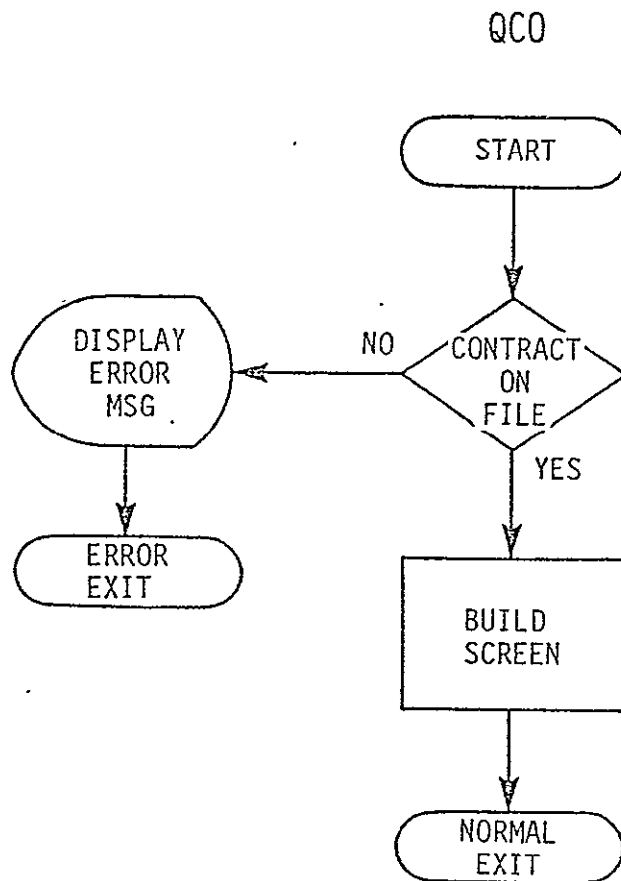
(a) QDR logic flow.  
Figure 4-61.- Concluded.

Contract Status Inquiry

Purpose: To enter number of contract to be displayed, for inquiry only.

TEMPLATE ID (QCTR)	PROGRAM ID (IN0202)	
-----		CONTRACT STATUS REPORT QCTR
-----		ORG/BUYER -----
-----		ORG/TECH MONITOR
TYPE CONTRACT -----		CONTRACTOR -----
BUS CODE/PPC -----		CITY/ST -----
		DIVISION -----
AWARD -----		
FUNDED -----		
DISBURSED -----		
CONTRACT DATE -----		TECH COMPL -----
FIRST ENTERED -----		PROP COMPL -----
LATEST COMPL DATE -----		VOUCHER -----
PHYS COMPLETE -----		CLOSE OUT -----
INACTIVE DATE -----		-----

Figure 4-62.- Contract Status Inquiry template.



(a) QCO logic flow.  
Figure 4-62.- Concluded.



PR/Contract Cross Reference Request

Purpose: To request the display of the PR number contract number cross reference in PR number sequence or contract number sequence.

TEMPLATE ID (QREF)

PROGRAM ID (INQ204)

PR/CONTRACT CROSS REFERENCE

PR NO -----

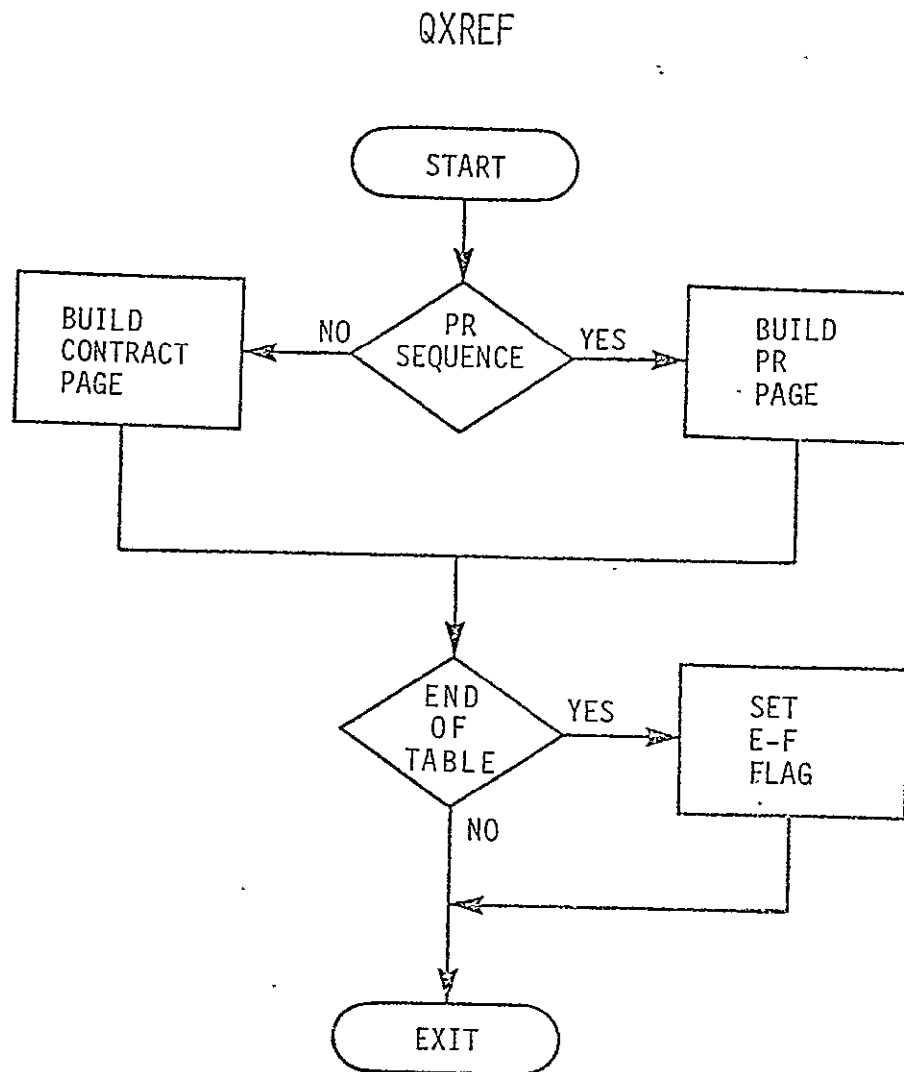
CONTRACT NO -----

The cross reference will be displayed in the following format.

PR/CONTRACT CROSS REFERENCE

PR NO	CONTRACT NO	MOD	CONTRACTOR NAME	OBLIGATION
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+
-----	-----	---	-----	---, ---, ---,---+

Figure 4-63.- PR/Contract Cross Reference Request template.



(a) QXPREF logic flow.  
Figure 4-63.- Concluded.

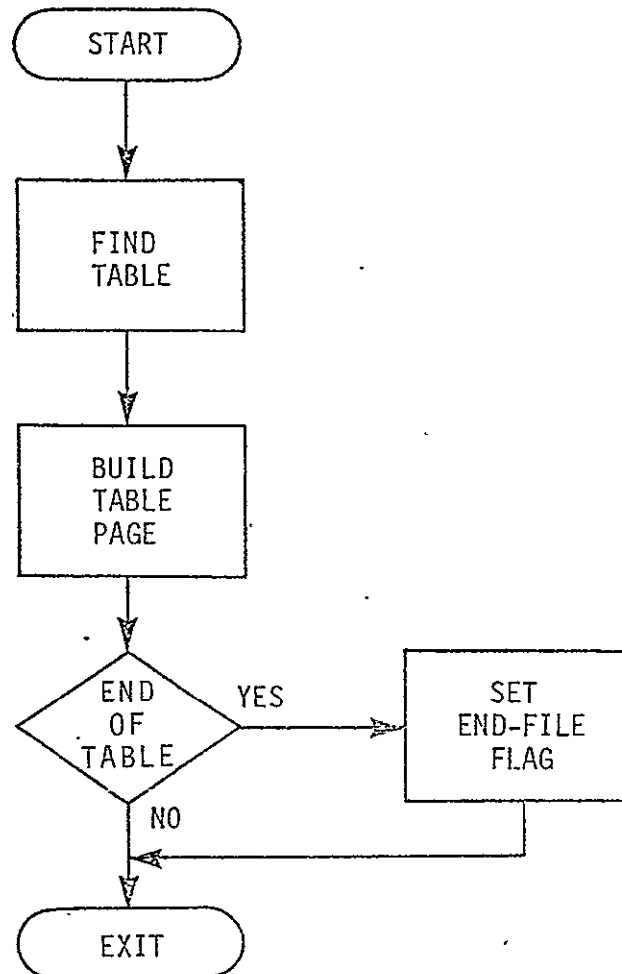
Table Inquiry

Purpose: To display the contents of the requested table.

TEMPLATE ID (QTAB)	PROGRAM ID (INQ203)
TABLE INQUIRY	
TABLE NAME -----	TYPE -----
	QTAB

Figure 4-64.- Table Inquiry template.

# QTAB



(a) QTAB logic flow.  
Figure 4-64.- Concluded.

# RECOVERY

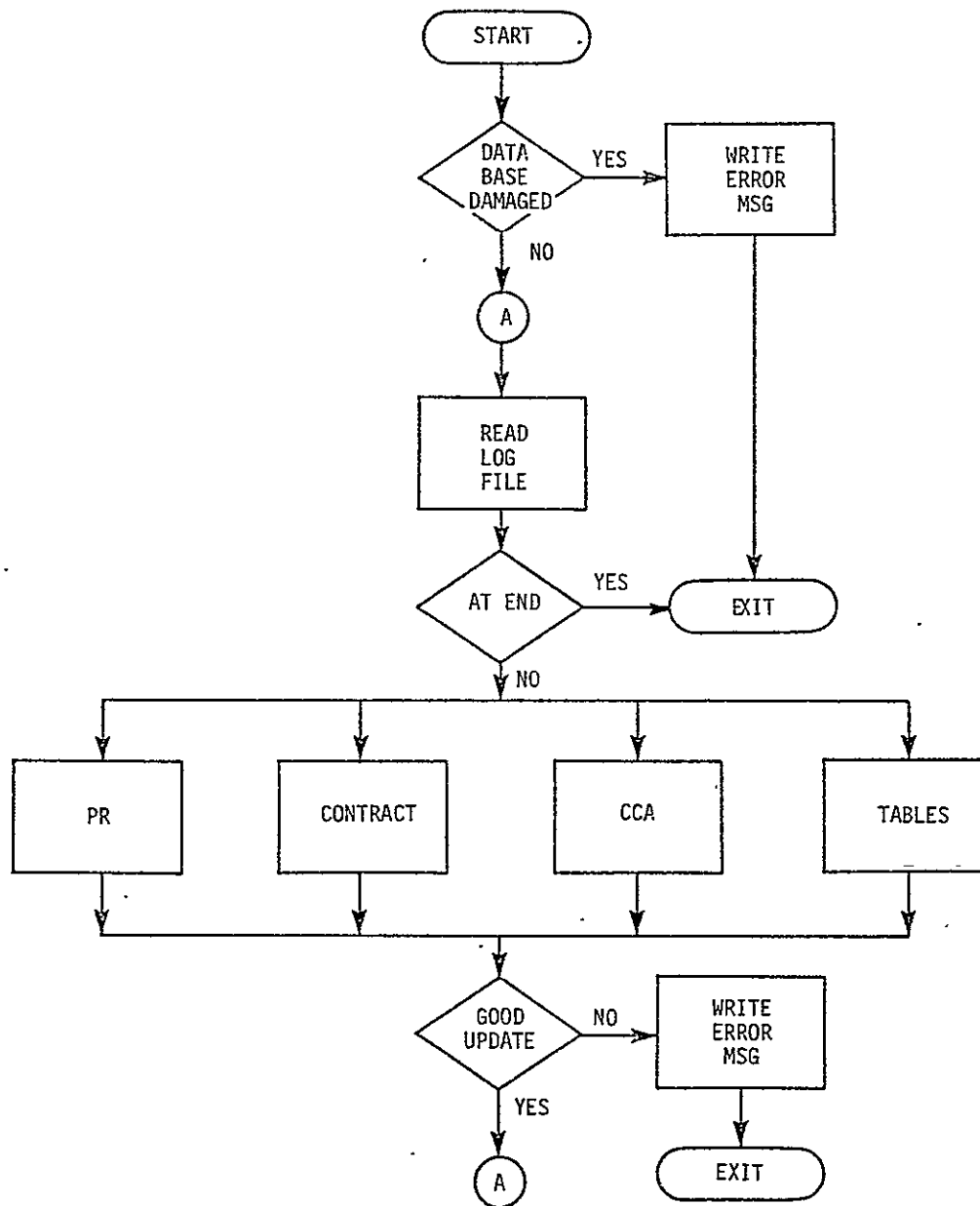


Figure 4-65.- Recovery Function logic flow.

TABLE 4-I.- PURCHASE REQUEST RECORD FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
PURCHASE REQUEST (PR) RECORD		DISC	426 CHARS. (71 WORDS)		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Purchase Request Number	1	9	9	A/N	Blank Key
2	Filler	10	12	3	A/N	
3	Division	13	14	2	A/N	
4	Branch	15	17	3	A/N	
5	Section	18	21	4	A/N	
6	Originating Division	22	23	2	A/N	
7	Current Milestone	24	24	1	N	
8	Organization/Buyer	25	30	6	A/N	
9	Division Request	31	40	10	A/N	
10	Line Item	41	42	2	N	
11	Description	43	72	30	A/N	
12	Account Code	73	94	22	A/N	
13	Inactive Indicator	95	95	1	A/N	
14	Filler	96	96	1	A/N	
15	Committed Amount	97	108	12	N	9(10)v99

TABLE 4-I.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
PR RECORD - continued		DISC	426 CHARS, (71 WORDS)		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
16	Total Amount	109	120	12	A/N	9(10)v99
17	Obligation Amount	121	132	12	N	9(10)v99
18	Cancel Indicator	133	133	1	A/N	
19	Planning PR	134	134	1	A/N	
20	Procurement Placement Code	135	136	2	A/N	
21	Class Code	137	138	2	A/N	
22	Filler	139	144	6	A/N	
23	Purchase Request Date	145	150	6	N	
24	Received Date	151	156	6	N	
25	Delivery Date	157	162	6	N	
26	Pricing Request Date	163	168	6	N	
27	Pricing Received Date	169	174	6	N	
28	Schedule 1 Date	175	180	6	N	
29	Schedule 2 Date	181	186	6	N	
30	Schedule 3 Date	187	192	6	N	

TABLE 4-I.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
PR RECORD - continued		DISC	426 CHARS. (71 WORDS)		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
31	Schedule 4 Date	193	198	6	N	
32	Schedule 5 Date	199	204	6	N	
33	Schedule 6 Date	205	210	6	N	
34	Revision 1 Date	211	216	6	N	
35	Revision 2 Date	217	222	6	N	
36	Revision 3 Date	223	228	6	N	
37	Revision 4 Date	229	234	6	N	
38	Revision 5 Date	235	240	6	N	
39	Revision 6 Date	241	246	6	N	
40	Actual 1 Date	247	252	6	N	
41	Actual 2 Date	253	258	6	N	
42	Actual 3 Date	259	264	6	N	
43	Actual 4 Date	265	270	6	N	
44	Actual 5 Date	271	276	6	N	
45	Actual 6 Date	277	282	6	N	



TABLE 4-I.- CONCLUDED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
PR RECORD - concluded		DISC	426 CHARS, (71 WORDS)		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
46	Initiator Name	283	298	16	A/N	Blank
47	Filler	299	300	2	A/N	
48	Contract Number	301	312	12	A/N	
49	Contract Modification Number	313	315	3	A/N	
50	Maximum Standard	316	318	3	N	999
51	Solicitation Number	319	333	15	A/N	999
52	XREF Sequencing No.	334	336	3	N	
53	Inactive Date	337	342	6	N	
54	First Entered Date	343	348	6	N	
55	Last Changed Date	349	354	6	N	
56	Last Changed Time	355	360	6	N	
57	Pricing Remarks	361	410	50	A/N	
58	Filler	411	426	16	A/N	

TABLE 4-II.- BASIC CONTRACTS FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD		DISC	654 CHARS. (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Contract Number	1	12	12	A/N	Key
2	Division	13	14	2	A/N	
3	Filler	15	19	5	A/N	
4	Branch	20	22	3	A/N	
5	Type of Record	23	24	2	A/N	
6	Section	25	28	4	A/N	
7	Buyer	29	30	2	A/N	
8	Description	31	70	40	A/N	
9	Procurement Placement Code (PPC)	71	72	2	A/N	
10	Obligation Amount	73	84	12	N	S9(10)v99
11	Award Amount	85	96	12	N	S9(10)v99
12	Filler	97	97	1	A/N	S9(11)
13	Estimated Cost	98	108	11	N	
14	Inactive Date	109	114	6	A/N	
15	Inactive Indicator	115	115	1	A/N	

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS. (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
16	Filler	116	116	1	A/N	S9(9)
17	Inactive Purge Code (CCA)	117	117	1	A/N	
18	Estimated Fee	118	126	9	N	
19	Contract Distribution Date	127	132	6	A/N	
20	Contract Completion Date	133	138	6	A/N	
21	Physically Complete Date	139	144	6	A/N	
22	Property Date Complete	145	150	6	A/N	
23	Technical Date Complete	151	156	6	A/N	
24	Voucher Date Complete	157	162	6	A/N	
25	First Entered Date	163	168	6	A/N	
26	Last Changed Date	169	174	6	A/N	
27	Last Changed Time	175	180	6	A/N	
28	Close Out Date	181	186	6	A/N	
29	Contract Date	187	192	6	A/N	
30	Contract Date Flag	193	193	1	A/N	

TABLE 4-11.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS, (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
31	Extent of Completion	194	194	1	A/N	
32	Contract Program	195	204	10	A/N	
33	CCA Change Date	205	210	6	A/N	
34	Contract End Item	211	214	4	A/N	
35	Synopsized	215	215	1	A/N	
36	New Technology	216	216	1	A/N	
37	Type of Contract	217	218	2	A/N	
38	Filler	219	222	4	A/N	
39	Geographic Distribution	223	223	1	A/N	
40	Cost Performance Report	224	224	1	A/N	
41	Property Space Hardware	225	225	1	A/N	
42	Support Service Contract	226	226	1	A/N	
43	Contract Administration Delegation	227	227	1	A/N	
44	Small Business Subcontractors	228	228	1	A/N	
45	Kind of Action	229	230	2	A/N	

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS, (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
46	Labor Surplus Preference	231	231	1	A/N	
47	Cost Accounting Standards	232	232	1	A/N	
48	Business Code	233	233	1	A/N	
49	Technical Monitor	234	249	16	A/N	
50	Technical Monitor Mail	250	253	4	A/N	
51	Filler	254	263	10	A/N	
52	Name Code	264	269	6	A/N	
53	Filler	270	285	16	A/N	
54	POP State (Place of Performance)	286	287	2	A/N	
55	POP City	288	311	24	A/N	
56	POP Zip Code	312	320	9	N	9(9)
57	Filler	321	323	3	A/N	9(7)
58	Contractor Identification Code (CIC)	324	330	7	N	
59	DOD Office	331	334	4	A/N	
60	Delegation Code CA	335	335	1	A/N	

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS. (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
61	Delegation Code QA	336	336	1	A/N	
62	Delegation Code PR	337	337	1	A/N	
63	Delegation Code GP	338	338	1	A/N	
64	Delegation Code AU	339	339	1	A/N	
65	Delegation Code OTHER	340	347	8	A/N	
66	Delegation Code GFP	348	353	6	A/N	
67	Delegation Code DATE	354	359	6	A/N	
68	Principal Investigator	360	375	16	A/N	
69	Renegotiation Status Code	376	376	1	A/N	
70	Fund Source	377	377	1	A/N	
71	Contract Status	378	421	44	A/N	
72	Headquarters Contractor Name	422	437	16	A/N	
73	Headquarters Contractor Division	438	457	20	A/N	
74	Technical Monitor Extension	458	461	4	A/N	
75	FACS Date	462	467	6	A/N	

TABLE 4-II.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - continued		DISC	654 CHARS. (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
76	Prior Fiscal Year Obligation	468	479	12	N	S9(10)v99
77	Prior Fiscal Year Cost	480	491	12	N	S9(10)v99
78	Prior Fiscal Year Distribution	492	503	12	N	S9(10)v99
79	Current Fiscal Year Obligation	504	515	12	N	S9(10)v99
80	Current Fiscal Year Cost	516	527	12	N	S9(10)v99
81	Current Fiscal Year Distribution	528	539	12	N	S9(10)v99
82	Latest Completion Date	540	545	6	A/N	
83	Prior Cumulative Award	546	557	12	N	S9(10)v99
84	Current Cumulative Award	558	569	12	N	S9(10)v99
85	Agency Order Number	570	584	15	A/N	
86	Obligation Source Indicator	585	585	1	A/N	
87	Statutory Requirements Code	586	586	1	A/N	
88	Trade Data Number	587	587	1	A/N	
89	Trade Data Percent	588	589	2	N	99
90	Type Contractor	590	591	2	N	99

TABLE 4-II.- CONCLUDED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
BASIC CONTRACT RECORD - concluded		DISC	654 CHARS. (109 WORDS)		13	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
91	Consultant Type Contract	592	592	1	A/N	
92	Woman Owned Business	593	593	1	A/N	
93	Affirmative Action Plan	594	594	1	A/N	
94	Previous Affirmative Contractor	595	595	1	A/N	
95	Reason Not Small Business	596	597	2	N	99
96	Buy American Percent	598	599	2	N	99
97	Terminated Contractor	600	600	1	A/N	
98	Originating Section	601	604	4	A/N	
99	Originating Buyer Code	605	606	2	A/N	
100	Originating Buyer Name	607	622	16	A/N	
101	Filler	623	654	32	A/N	



TABLE 4-III.- PR/CONTRACT CROSS REFERENCE FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
PR/CONTRACT CROSS REFERENCE		DISC	14 WORDS		52 RECORDS	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Purchase Request Number	1	9	9	A/N	Prime Key
2	Key Suffix	10	12	3	N	
3	Contract Number	13	24	12	A/N	
4	Contract Mod Number	25	27	3	A/N	Alternate Key
5	Filler	28	30	3	A/N	
6	Contractor Name	31	46	16	A/N	
7	Filler	47	48	2	A/N	S9(10)v99
8	Award Date	49	54	6	N	
9	OBL This Act	55	66	12	N	
10	Contr Purge Ind.	67	67	1	A/N	
11	PR Purge Ind.	68	68	1	A/N	
12	Filler	69	84	16	A/N	

TABLE 4-IV.- CONTRACT CHANGE AUTHORIZATIONS FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CONTRACT CHANGE AUTHORIZATIONS (CCA'S)		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Contr-No	1	12	12	A/N	Prime Key
2	Schedule Code	13	15	3	A/N	
3	CCA-Number	16	24	9	A/N	
4	Pack-No	25	30	6	A/N	
5	Rev-Flag	31	31	1	A/N	
6	Milestone	32	32	1	A/N	
7	Inactive-Ind	33	33	1	A/N	
8	Filler	34	34	1	A/N	
9	CCBD-No	35	41	7	A/N	
10	ECP-No	42	48	7	A/N	
11	Supplemental Agreement No	49	54	6	A/N	
12	Org/Buyer	55	60	6	A/N	
13	Tech-Monitor	61	75	16	A/N	
14	Mail-Code	77	80	4	A/N	
15	TM-Ext	81	84	4	A/N	

TABLE 4-IV.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA'S - Continued		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
16	Last-Change-Date	85	90	6	A/N	9(12)
17	Last Change Time	91	96	6	A/N	
18	EV1-Proc-Date	97	108	6	N	
19	EV1-Amt	109	114	12	N	
20	EV1-Date	115	120	6	N	
21	EV2-Sched-Date	121	126	6	N	
22	EV2-Rev-Date	127	132	6	N	
23	EV2-Act-Date	132	135	6	N	
24	EV2-Amt	139	150	12	N	
25	EV3-Sched-Date	151	156	6	N	
26	EV3-Rev-Date	157	162	6	N	
27	EV3-Act-Date	163	168	6	N	
28	EV4-Sched-Date	169	174	6	N	
29	EV4-Rev-Date	175	180	6	N	
30	EV4-Act-Date	181	186	6	N	
31	EV4-Neg-Amt	187	198	12	N	9(12)

TABLE 4-IV.- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA'S - concluded		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
32	EV5-Sched-Date	199	204	6	N	Blank
33	EV5-Rev-Date	205	210	6	N	
34	EV5-Act-Date	211	216	6	N	
35	EV5-Proc-Date	217	222	6	N	
36	Description	223	272	50	A/N	
37	Filler	273	294	22	A/N	

TABLE 4-IV:- CONTINUED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA - ADDITIONAL DATA RECORD		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Contract Number	1	12	12	A/N	} Prime Key
2	Schedule Code	13	15	3	A/N	
3	Filler	16	24	9	A/N	
4	Project 1 Description	25	48	24	A/N	Blank
5	----- Amount	49	60	12	N	9(12)
6	Project 2 Description	61	84	24	A/N	
7	----- Amount	85	96	12	N	9(12)
8	Project 3 Description	97	120	24	A/N	
9	----- Amount	121	132	12	N	9(12)
10	Project 4 Description	133	156	24	A/N	
11	----- Amount	157	168	12	N	9(12)
12	Project 5 Description	169	192	24	A/N	
13	----- Amount	193	204	12	N	9(12)
14	Project 6 Description	205	228	24	A/N	
15	----- Amount	229	240	12	N	9(12)

TABLE 4-IV.- CONCLUDED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CCA - ADDITIONAL DATA RECORD - concluded.		DISC	49 WORDS		30	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
16	Cost Incurred Date	241	246	6	N	9(12)
17	----- Amount	247	258	12	N	
18	Estimated Completion Date	259	264	6	N	
19	----- Amount	265	276	12	N	9(12)
20	Project Overrun/Underrun	277	288	12	N	S9(12)
21	Contract Non Print	289	289	1	A/N	
22	Filler	290	294	5	A/N	

TABLE 4-V.- CONTRACT MODIFICATIONS RECORD FILE DESCRIPTION.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CONTRACT MOD FILE MOD RECORD		DISC	210 CHARS. 35 WORDS		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Contract Number	1	12	12	A/N	Key
2	MOD Number	13	15	3	A/N	Key
3	Filler	16	18	3	A/N	
4	Description	19	58	40	A/N	
5	Inactive Indicator	59	59	1	A/N	
6	Contract Modification Type	60	60	1	A/N	
7	Contract Date	61	66	6	A/N	
8	Contract Completion Date	67	72	6	A/N	
9	Contract Distribution Date	73	78	6	A/N	
10	Organization/Buyer	79	84	6	A/N	
11	Obligation This Action	85	96	12	N	S9(10)V99
12	Physically Complete Date	97	102	6	A/N	
13	Inactive Date	103	108	6	A/N	
14	FACS Date	109	114	6	A/N	
15	Type of Contract	115	116	2	A/N	
16	Filler	117	120	4	A/N	

TABLE 4-V.- CONCLUDED.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
CONTRACT MOD FILE MOD RECORD (CONCLUDED)		DISC	210 CHARS. 35 WORDS		30	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
17	Last Changed Date	121	126	6	A/N	S9(10)V99 S9(11) S9(9)
18	Last Changed Time	127	132	6	A/N	
19	Type of Record	133	134	2	A/N	
20	Filler	135	134	2	A/N	
21	Synopsized	139	139	1	A/N	
22	Kind of Action	140	141	2	A/N	
23	Renewal Status	142	142	1	A/N	
24	Filler	143	144	2	A/N	
25	Award Amount	145	156	12	N	
26	Price Cost	157	167	11	N	
27	Obligation Source Indicator	168	168	1	A/N	
28	Estimated Fee	169	177	9	N	
29	Filler	178	180	3	A/N	
30	Contractor Identification Code (CIC)	181	187	7	A/N	
31	Filler	188	192	5	A/N	
32	First Entered Date	193	198	6	A/N	
33	Filler	199	210	12	A/N	



TABLE 4-VI.- TABLE FILE DESCRIPTIONS.

(a.) MIS Table - Report Titles Table Record.

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
MIS - TABLE REPORT TITLES TABLE RECORD		DISC	138 CHARS. (23 WORDS)		40 RECORDS	FIXED MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record Type	1	2	2	A/N	Value '01'	Key
2	Report Code	3	5	3	N		Key
3	Filler	6	12	7	A/N	Blank	Key
4	Report Name	13	108	96	A/N		
5	Report Type	109	112	4	A/N		
6	Originating Division	113	113	1	A/N	Valid section elements	
7	Procurement Division	114	114	1	A/N		
8	Procurement Branch	115	115	1	A/N		
9	Procurement Section	116	116	1	A/N		
10	Procurement Buyer	117	117	1	A/N		
11	Contract	118	118	1	A/N		
12	Package Number	119	119	1	A/N		
13	Program	120	120	1	A/N		
14	Project	121	121	1	A/N		
15	Filler	122	138	17		Blank	

TABLE 4-IV.- CONTINUED.

(b.) MIS Table - Organization Table Record.

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
MIS - TABLES ORGANIZATION TABLE RECORD		DISC	138 CHARS, (23 WORDS)		40 RECORDS	FIXED MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record - Type	1	2	2	A/N	Value '02'	Key
2	Organization Code	3	6	4	A/N		Key
3	Buyer Code	7	8	2	A/N		Key
4	Filler	9	12	4	A/N	Blank	Key
5	Organization Name	13	42	30	A/N		
6	Buyer Name	43	58	16	A/N		
7	Filler	59	60	2	A/N	Blank	
8	Buyer Extension	61	64	4	N		
9	Filler	65	138	74	A/N	Blank	

TABLE 4-IV.- CONTINUED.

(c.) MIS Table - End-Item Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
MIS - TABLES END-ITEM TABLE RECORD		DISC	138 CHARS, (23 WORDS)		40 RECORDS	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record-Type	1	2	2	A/N	Value '03'      Key
2	End-Item-Code	3	6	4	A/N	Key
3	Filler	7	12	6	A/N	Blank      Key
4	End Item Section Code	13	14	2	N	
5	End Item Section Description	15	44	30	A/N	
6	End Item Description	45	122	78	A/N	
7	Filler	123	138	16	A/N	Blank

TABLE 4-VI.- CONTINUED.

(d.) MIS Table - Range Amounts Table Record.

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
MIS - TABLES RANGE AMOUNTS TABLE RECORD		DISC	138 CHARS. (23 WORDS)		40 RECORDS	FIXED MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record Type	1	2	2	A/N	Value '04'	Key
2	High-Range	3	9	7	N		Key
3	Filler	10	12	3	A/N	Blank	Key
4	Low-Range	13	19	7	N.		
5	Filler	20	138	119	A/N	Blank	

TABLE 4-VI.- CONTINUED.

(e.) MIS Table - Schedule Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
MIS - TABLES SCHEDULE TABLE RECORD		DISC	138 CHARS. (23 WORDS)		40 RECORDS	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record-Type	1	2	2	A/N	Value '05' Key
2	Class-Code	3	3	1	A/N	Key
3	Schedule High	4	10	7	N	Key
4	Filler	11	12	2	A/N	Blank Key
5	Schedule 1 to 2	13	15	3	N	
6	Schedule 2 to 3	16	18	3	N	
7	Schedule 3 to 4	19	21	3	N	
8	Schedule 4 to 5	22	24	3	N	
9	Schedule 5 to 6	25	27	3	N	
10	Filler	28	29	2	A/N	Blank
11	Schedule Low Amount	30	36	7	N	
12	Schedule Description	37	76	40	A/N	
13	Filler	77	138	62	A/N	Blank

TABLE 4-VI.- CONTINUED.

(f.) MIS Table - Business Code Table Record.

RECORD CONTENT						
TITLE MIS - TABLES BUSINESS CODE TABLE RECORD		TYPE DISC	LENGTH 138 CHARS. (23 WORDS)		BLOCKING 40 RECORDS	FORMAT FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '06'      Key
2	Contract Business Code	3	3	1	A/N	Key
3	Filler	4	12	9	A/N	Blank      Key
4	Contract Business Description	13	37	25	A/N	
5	Filler	38	138	101	A/N	Blank

TABLE 4-VI.- CONTINUED.

(g.) MIS Table - Type of Contract Table Record.

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
MIS - TABLES TYPE OF CONTRACT TABLE RECORD		DISC	138 CHARS. (23 WORDS)		40 RECORDS	FIXED MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record Type	1	2	2	A/N	Value '07'	Key
2	FACS Contract Code	3	4	2	A/N		Key
3	Filler	5	12	8	A/N	Blank	Key
4	Type of Contract Description	13	42	30	A/N		
5	Type Code	43	49	7	N		
6	Fee Required	50	52	3	A/N		
7	Filler	53	138	86	A/N	Blank	

TABLE 4-VI.- CONTINUED.

(h.) MIS Table - Contract Prefix Table Record.

RECORD CONTENT							
TITLE MIS - TABLES CONTRACT PREFIX TABLE RECORD		TYPE DISC	LENGTH 138 CHARS. (23 WORDS)		BLOCKING 40 RECORDS		FORMAT FIXED MSAM
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record Type	1	2	2	A/N	Value '08'	Key
2	Conversion Prefix	3	8	6	A/N		Key
3	Filler	9	12	4	A/N	Blank	Key
4	Expanded Prefix	13	14	2	A/N		
5	Filler	15	138	124	A/N	Blank	



TABLE 4-VI.- CONTINUED.

(i.) MIS Table - MOD Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
MIS - TABLES MOD TABLE RECORD		DISC	138 CHARS (23 WORDS)		40 RECORDS	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '09' Key
2	MOD Type	3	3	1	A/N	Key
3	Filler	4	12	9	N	Blank
4	MOD Type Description	13	42	30	A/N	2 Char occurs 10
5	Filler	63	138	76		Blank

TABLE 4-VI.- CONTINUED.

(j.) MIS Table - CCA Type Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH	BLOCKING	FORMAT	
MIS - TABLES CCA TYPE TABLE RECORD		DISC	138 CHARS. (23 WORDS)	40 RECORDS	MSAM	
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '10' Key
2	CCA Type	3	5	3	A/N	Key
3	Filler	6	12	7	A/N	Blank Key
4	Description	13	42	30	A/N	
5	Filler	43	138	96	A/N	Blank

## TABLE 4-VI.- CONTINUED.

(k.) VEN Table - Vendor Code Table Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
VEN - TABLE VENDOR CODE TABLE RECORD		DISC	84 CHARS, (14 WORDS)		58 RECORDS	FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Vendor Code	1	6	6	N	Key
2	Contractor-Name	7	22	16	A/N	
	Filler	23	24	2	A/N	Blank
	Contractor-State	25	26	2	A/N	
	Filler	27	30	4	A/N	Blank
	Contractor-Division	31	40	10	A/N	
	Filler	41	42	2	A/N	Blank
	Contractor-City	43	52	10	A/N	
	Filler	53	54	2	A/N	Blank
	Contractor-Business Code	55	55	1	A/N	
	Filler	56	84	29	A/N	Blank

TABLE 4-IV.- CONTINUED.

(1.) RDT Table - Report Distribution Table Record (header record).

RECORD CONTENT						
TITLE RDT -TABLE REPORT DISTRIBUTION TABLE RECORD (HEADER RECORD)		TYPE  DISC	LENGTH  450 CHARS (75 WORDS)		BLOCKING  26 RECORDS	FORMAT  FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Record Type	1	2	2	A/N	Value '01'      Key
2	Report Type	3	4	2	A/N	Key
3	Frequency	5	5	1	A/N	Key
4	User Name	6	21	16	A/N	Key
5	Book Number	22	23	2	N	Key
6	Filler	24	24	1	A/N	Blank      Key
7	User Mail Code	25	28	4	A/N	
8	User Building	29	32	4	A/N	
9	User Room	33	36	4	A/N	
10	Filler	36	450	414	A/N	Blank

TABLE 4-VI.- CONTINUED.

## (m.) RDT Table - Report Distribution Data Record

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
RDT - TABLE REPORT DISTRIBUTION DATA RECORD		DISC	450 CHARS. (75 WORDS		26 RECORDS	MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record Type	1	2	2	A/N	Value '01'	Key
2	Report Type	3	4	2	A/N		Key
3	Frequency	5	5	1	A/N		Key
4	User	6	21	16	A/N		Key
5	Book Number	22	23	2	N		Key
6	Sequence Number	24	24	1	A		Key
7	Report Number	25		3	N	} Report request occurs 8 times	
8	Originating Division			2	A/N		
9	Procurement Organization			4	A/N		
10	Procurement Buyer Code			2	A/N		
11	Contract Number			12	A/N		
12	Package Number			6	A/N		
13	Program			10	A/N		
14	Project		432	12	A/N		
15	Filler	433	450	18			

TABLE 4-VI.- CONTINUED.

(n.) RDT Table - Procurement Placement Code Table Record.

RECORD CONTENT							
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
RDT - TABLE PROCUREMENT PLACEMENT CODE TABLE RECORD		DISC	450 CHARS (75 WORDS)		26 RECORDS	FIXED MSAM	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS	
		START	END				
1	Record Type	1	2	2	A/N	Value '05'	Key
2	Procurement Placement Code	3	4	2	A/N		Key
	Reportable Code	5	5	1	A/N		Key
3	Filler	6	24	20	A/N	Blank	
4	Business Code	25	25	1	A/N		
5	Filler	26	30	5	A/N	Blank	
6	Type of Procurement	31	50	20	A/N		
7	Filler	51	54	4	A/N	Blank	
8	Negotiated Authorization Name	55	150	96	A/N		
9	Extent of Competition	151	160	10	A/N	1 Char occurs 10	
10	Filler	161	162	2	A/N	Blank	
11	Labor Surplus	163	168	6	A/N	1 char occurs 6	
13	Negotiated Authorization Code	169	170	2	A/N		
14	Filler	171	174	4	A/N	Blank	
15	Principal Investigator	175	175	1	A/N		

TABLE 4-VI.- CONTINUED.

(n.) continued.

RECORD CONTENT						
TITLE RDT - TABLE PROCUREMENT PLACEMENT CODE TABLE RECORD - continued		TYPE  DISC	LENGTH  450 CHARS (75 WORDS)		BLOCKING  26 RECORDS	FORMAT  FIXED MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
16	Filler	176	180	5	A/N	Blank
17	Reason not Small Business	181	206	26	A/N	2 Char occurs 13
18	Filler	207	210	4	A/N	Blank
19	Subject to Statutory Requirements	211	217	7	A/N	1 Char occurs 7
	Filler			5	A/N	Blank
20	Type of Contract	218	222	40	A/N	2 Char occurs 20
21	Filler	223	224	2	A/N	Blank
22	Type Contractor	225	252	28	A/N	2 Char occurs 14
	Filler	253	254	2	A/N	Blank
23	Kind of Action	256	274	20	A/N	2 Char occurs 10
24	Filler	275	278	4	A/N	Blank
	Synopsized	279	282	4	A/N	1 Char occurs 4
	New Technology	283	286	4	A/N	1 Char occurs 4
	Geographical Distribution	287	290	4	A/N	1 Char occurs 4
	Cost Performance	291	298	8	A/N	1 Char occurs 8
	Filler	299	302	4	A/N	Blank

TABLE 4-VI.- CONCLUDED.

(n.) concluded.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
RDT - TABLE PROCUREMENT PLACEMENT CODE TABLE RECORD - concluded		DISC	450 CHARS. (75 WORDS)		26 RECORDS	MSAM
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
	Property Space Hardware	303	308	6	A/N	1 Char occurs 6
	Support Service Contract	309	312	4	A/N	1 Char occurs 4
	Contract Administration	313	316	4	A/N	1 Char occurs 4
	Small Business	317	320	4	A/N	1 Char occurs 4
	Agency Order Number	321	321	1	A/N	
	Trade Data Number	322	322	1	A/N	
	Trade Data Percent	323	323	1	N	
	Consultant Contract	324	326	3	A/N	1 Char occurs 3
	Women-Owned	327	330	4	A/N	1 Char occurs 4
	Buy American Percent	331	331	1	A/N	
	Filler	332	332	1	A/N	Blank
	Cost Accounting	333	336	4	A/N	1 Char occurs 4
	Affirmative Action Plan	337	340	4	A/N	1 Char occurs 4
	Previous Affirmative Action Plan	341	344	4	A/N	1 Char occurs 4
	Filler	345	450	106	A/N	Blank



TABLE 4-VII.- UTILITY FILE DESCRIPTION.

(a.) Log File Control Record.

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
LOG FILE CONTROL RECORD		MASS STORAGE	112 WORDS SECTORS 0-3		1	SDF DIRECT
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Address of Next Record to be Written	1	6	1	BIN	sector 0
2	Processing As-Of-Date	7	12	1	N	
3	Date As-Of-Date Changed	13	18	1	N	
4	Beginning Address for Daily Reg.	19	24	1	BIN	
5	FACS Date	25	30	1	N	
6	Beginning Date and Time of Log File	31	42	2	N	
7	Daily Register Flag	43	48	1		First char. in word
8	Filler	49	168	20		
9	Date Base Update Flag	169	174	1	N	sector 1
10	Filler	175	336	27		
11	User Table	337	504	28		sector 2
	User-no	337	340	2		occurs 14 times
	Authority flags	341	348			
12	Lock Sector	505	672			sector 3

TABLE 4-VII.- CONTINUED.

(b.) Batch-Run Record.

RECORD CONTENT								Page 1 of 3
TITLE		TYPE	LENGTH		BLOCKING		FORMAT	
BATCH-RUN-RECORD		SECTORS 4-7 OF LOG FILE	112 WORDS (4 SECTORS)		1		SDF DIRECT	
DESCRIPTION								
ITEM NUMBER	ITEM NAME	WORD	LENGTH		SIZE	TYPE	COMMENTS	
			START	END				
1	Log-Function	1	1	36	2	XX	occurs 18	
2	Log-Complete-Flag	7	37	54	1	X	occurs 18	
3	PR-as-of-date	10	55	60	6	9	MMDDYY	
4	Cont-non-JSC-as-of-date	11	61	66	6	9	MMDDYY	
5	Cont-JSC-as-of-date	12	67	72	6	9	MMDDYY	
6	CCA-as-of-date	13	73	78	6	9	MMDDYY	
7	UC&G-as-of-date	14	79	84	6	9	MMDDYY	
8	Annual-as-of-date	15	85	90	6	9	MMDDYY	
9	PR-Freq	16	91	91	1	X	W, M, Q, A, S	
10	Contract non-JSC Freq		92	92	1	X	M, Q, S	
11	Contract JSC Freq		93	93	1	X	M, Q, S	
12	CCA-Freq		94	94	1	X	B, M, Q, S	
13	UC&G Freq		95	95	1	X	M, Q, A, S	
14	Contract Annual Freq		96	96	1	X	A, Q, S	

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TABLE 4-VII.- CONTINUED.

(b.) continued.

RECORD CONTENT							Page 2 of 3
TITLE		TYPE	LENGTH		BLOCKING	FORMAT	
BATCH-RUN-RECORD		SECTORS 4-7 OF LOG FILE	112 WORDS (4 SECTORS)		1	SDF DIRECT	
DESCRIPTION							
ITEM NUMBER	ITEM NAME	WORD	LENGTH		SIZE	TYPE	COMMENTS
			START	END			
15	Tables Report RDT	17	97		1	X	Any non blank character will trigger reports.
16	Tables Report SCH		98		1	X	
17	Tables Report ØRG		99		1	X	
18	Tables Report PPC		100		1	X	
19	Tables Report GLØ		101		1	X	
20	Tables Report E-I		102		1	X	
21	Tables Report ETM	18	103		1	X	
22	Tables Report N-C		104		1	X	
23	Tables Report Filler		105	108	4	X	
24	Interface Data 497-Master Tape	19	109		1	X	
25	Interface Data 497-Master Dump		110		1	X	*asterisk
26	Interface Data Filler		111	114	4	X	
27	Interface Data FACS Tape Date	20	115	118	4	9	MMYY
28	Interface Data FACS Tape Dump		119		1	X	*asterisk
29	Interface Data Filler		120		1	X	

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TABLE 4-VII.- CONTINUED.

(b.) concluded.

RECORD CONTENT								Page 3 of 3
TITLE		TYPE	LENGTH		BLOCKING		FORMAT	
BATCH-RUN-RECORD		SECTORS 4-7 OF LOG FILE	112 WORDS (4 SECTORS)		1		SDF DIRECT	
DESCRIPTION								
ITEM NUMBER	ITEM NAME	WORD	LENGTH		SIZE	TYPE	COMMENTS	
			START	END				
30	BAS Update Last Process Date	21	121	126	6	9	MMDDYY - set whenever BAS update is run.	
32	BAS Update Process thru Date	22	127	132	6	9	MMDDYY - update files with transactions thru this date. Then move this date to LAST PROCESS DATE.	
33	Purge	23	133	138	6	9	MMDDYY - purge all inactive thru this date.	
	Box-header	24	139	150	12	X	P03-45 Box 105	
	Filler	25	151	672	522	X		

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TABLE 4-VII.- CONCLUDED.

## (c.) Log File Transaction Record

RECORD CONTENT						
TITLE		TYPE	LENGTH		BLOCKING	FORMAT
LOG FILE TRANSACTION RECORD		DISC	112 WORDS 672 CHAR.		1	SDF DIRECT
DESCRIPTION						
ITEM NUMBER	ITEM NAME	LENGTH		SIZE	TYPE	COMMENTS
		START	END			
1	Template User no.	1	4	4		
2	Template ID	5	10	6		
3	Template Data	11	414	404		
4	Date Processed	415	420	6		
5	Time Processed	421	426	6		
6	Filler	427	672	246		

## 5.0 SYSTEM OPERATION

A readiness test will be performed in the morning of each work day, or after each system crash, by production personnel to ensure that the system database is ready for operation (fig. 5-1). All user input will be collected and input using the three remote terminals located in the Procurement Operations Office.

If the readiness test reports an unusable database, production personnel will be responsible for reloading the database from backup tapes and informing the user of the date of the backup.

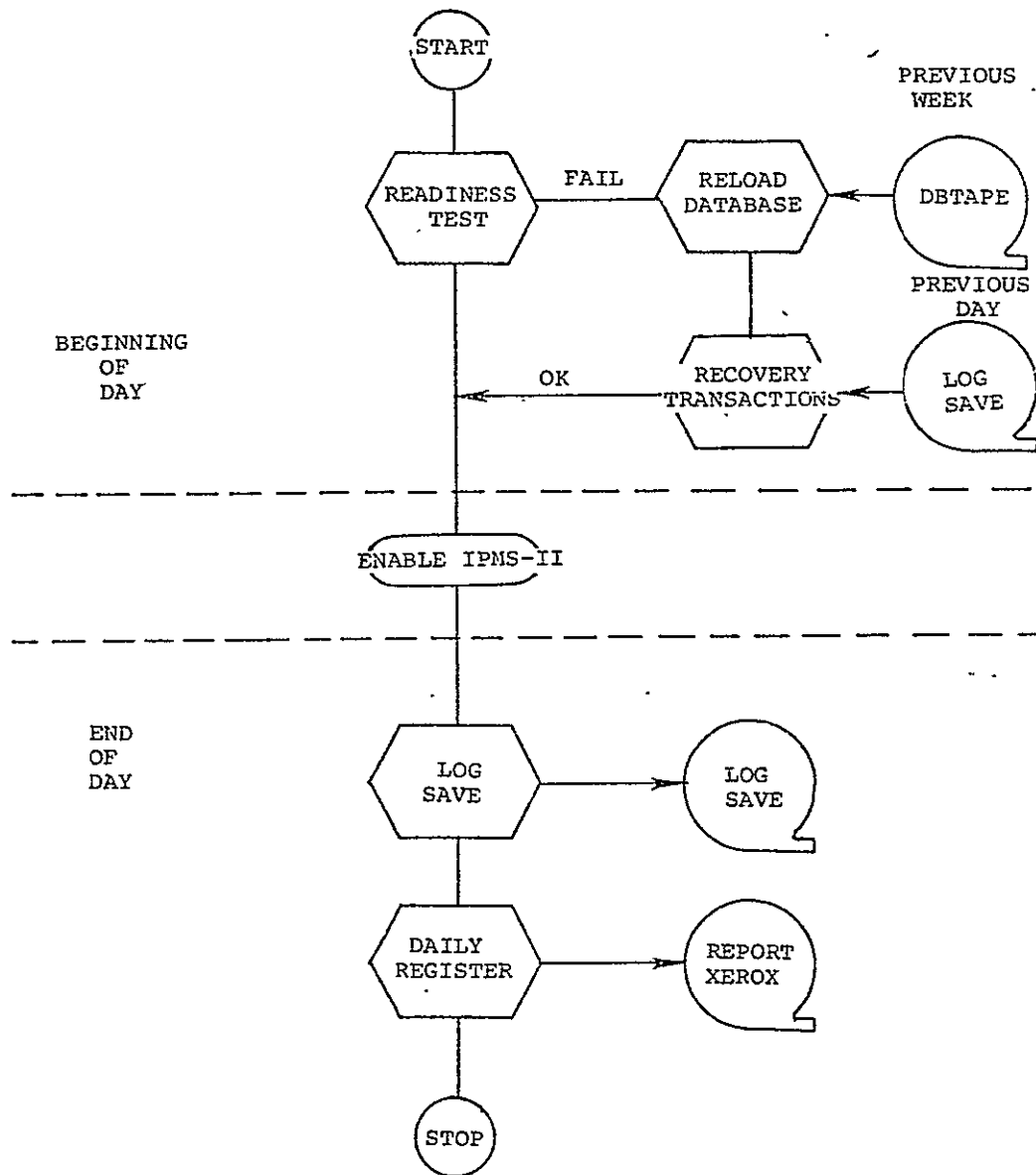


Figure 5-1.- Operational System Flow.

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